ZEISS IKON

Contaflex Super

(10.1271)
(1959)

Contaflex Rapid

(10.1261)
(1959)

Contaflex Prima

(10.1291)
(1959)

SERVICE MANUAL

Repair instructions

Contaflex rapid Order No. 10.1261
Contaflex super Order No. 10.1271
Contaflex prima Order No. 10.1291

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General Notes

The Contaflex rapid, catalogue No. 10.1261, Contaflex super, catalogue No. 10.1271, and Contaflex prima, catalogue No. 10.1291 are single-lens reflex cameras with rapid wind levers and convertible lenses. The constructional units and the design of the components are completely different from those of the preceding models (catalogue Nos. 861/24, 862/24 and so on). The three cameras differ in the following particulars:

Contaflex rapid (fig. 1)

Lens: Convertible Tessar f/2,8, 50 mm; shutter: Syncro-Compur CS 1110-545 c with exposure value scale. The gear and the gear housing are two separate constructional units.

Contaflex super (fig. 2)

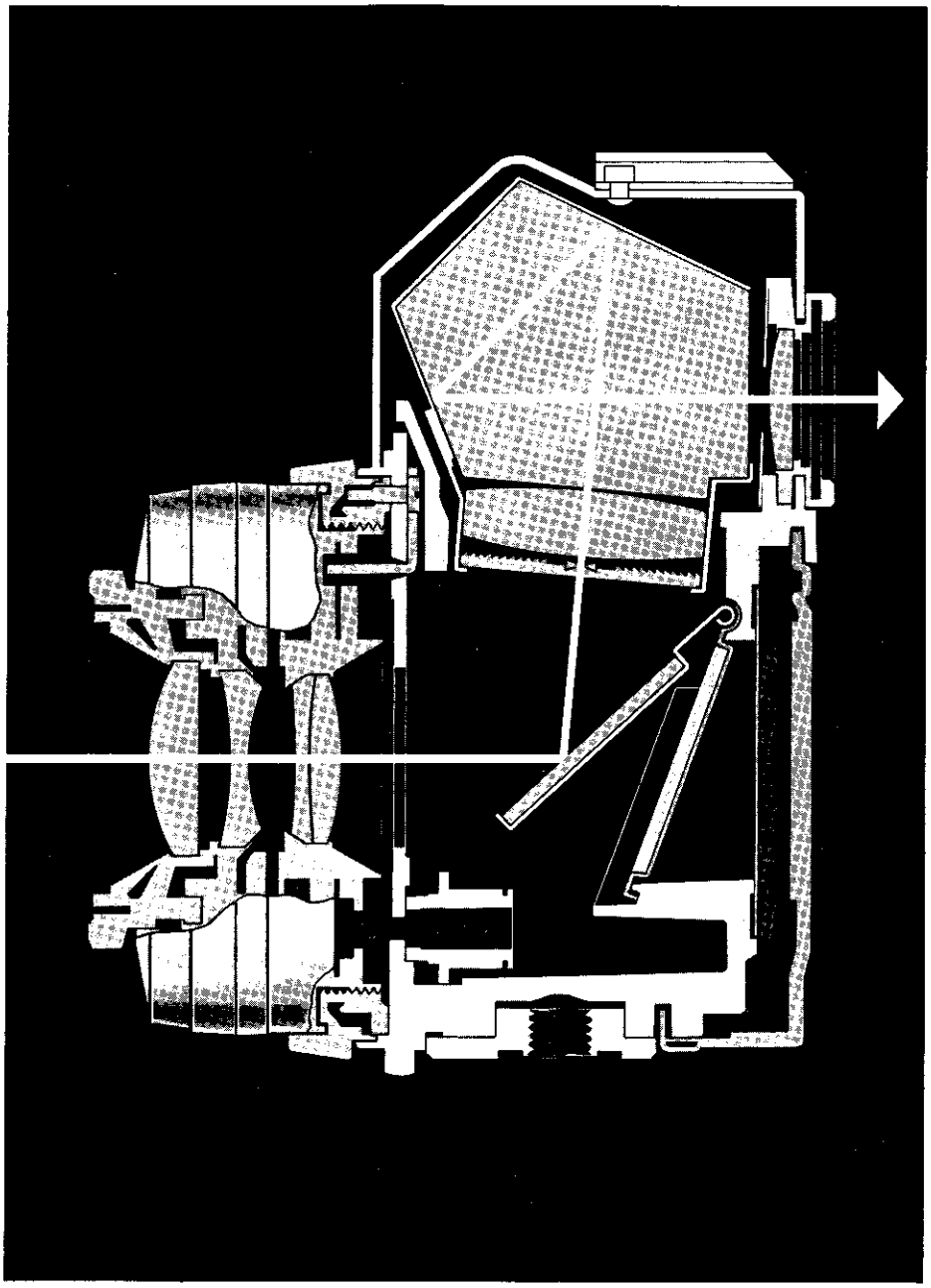
Lens as for Contaflex rapid; shutter: Synchro-Compur BH-Reflex Secial CS 1110-549 a. Coupling between iris diaphragm and rotating exposure meter (zero setting). Exposure meter, gear and gear housing are three separate constructional units.

Contaflex prima (fig. 3)

Lens: Zeiss Ikon Pantar f/2,8, 45 mm (without lens number); shutter: Prontor-Reflex SVS 00-482. Coupling between iris diaphragm and the follow-up pointer og the exposure meter. Exposure meter, gear and gear housing are three separate constructional units.

The following instructions refer to the Contaflex super, but apply also to the Contaflex rapid and prima unless differences are specified.

The row of figures used in the column "consecutive number" in the components list can be found also on the photographs and in the text, in order to make these instructions of repairing the cameras more easily readable. When ordering spare parts, however, the numbers of the spare parts in the second column of the components list should be used exclusively and the name of the component also quoted.



List of possible faults:

Fault	Cause	Remedy
1. Film completely or partially unexposed	shutter fails to open	repair according to the special instructions for Compur or Prontor-Reflex shutters
	shutter not tensioned	adjust tensioning gear
	Capping plate sticking, Mirror plate sticking	Adjust capping or mirror plate, remove foreign body (piece of film), readjust
2. Double exposure	Perforations torn by obstruction in cartridge or cassette	Use only good cartridges or cassettes
3. Unsharp pictures	Lens not adjusted properly after repair	Test lens with cillimeter
	Lenses soiled	Clean lenses
	Rangefinder out of order	Adjust rangefinder
	Mirror does not open completely, Adjusting stop recoils	Repair mirror plate and adjust ist
4. Pictures over- or under-exposed	Shutter speeds incorrect	Adjust shutter speeds
Assuming that the exposure meter is employed correctly	Calibration of exposure meter incorrect	Check calibration of exposure meter by means of exposure meter case VE 33 and readjust
	Spring-loaded diaphragm closing too slowly	Clean diaphragm and repair it
	Spring-loaded deaphragm is obstructed.	
5. Film perforations are torn	Obstruction in cartridge or cassette	Use only good cartridge or cassette
	Friction too strong	Check friction by weight and adjust
6. Film scratched	Defective cassette or cartridge	Use only good cartridges or cassettes
	Pressure plate defective	Exchange pressure plate
	Film guide rail damaged	Remove damage
7. Film is not advanced because film drum ist uncoupled	Curved section on back sticks	Make curved section operative or exchange it
8. Lens loose	Worm screws loose	Tighten worm screws uniformly
	Shutter screws loose (no spring-tooth disc)	Insert spring-tooth disc and use 0,5 mm longer screw
9. Rapid wind lever locked	Release lock loose or displaced	Adjust release lock
	Toothed segment on lens holder sticks	Repair toothed segment and make it work
	Shutter fails to run off	Repair according to instructions concerning Compur or Prontor-Reflex shutters
	Foreign body in the gear	Remove foreign body
	Engagement on the flange too narrow	Adjust engagement
	Transfer too small on rapid wind lever	Enlarge transfer by turning the eccentric on the upper plate

Fault	Cause	Remedy
10. Shutter fails to be released	Shutter is faulty	Repair according to Compur or Prontor-Reflex instructions
11. Shutter release too hard	Shutter transfer too small	Increase transfer on the adjusting wheel
	Trigger grazes release lock	Adjust release lock
12. Diaphragm wanders	Friction too soft on toothed diaphragm rim	Renew friction
13. Frame counter fails to work	Tooth broken off from the control ring	Replace control ring
14. Frame counter gives double count	Control spring bent or displaced	Renew or adjust
15. Pointer of exposure meter fails to deviate	Cell out of order	Check cell
	Instrument has break in circuit	Encircle interruption by means of circuit tester
	Interruption in the resister, the feed line or the soldered joints	Attention ! Note current limit in the circuit tester. Flow of current 50 u A.
16. Instrument pointer obstructed	Foreign body in the instrument	Strip instrument and remove foreign body
	Pivot points of instrument damaged	Exchange instrument
17. Follow-up pointer obstructed (Contaflex prima only)	Scanning pin or scanning lever locked	Adjust components to work properly
18. Rangefinder incorrect	Mirror sticks	Adjust mirror plate
19. Exposure meter setting wheel is harsh and rouch in operation	Mesh of tooth too narrow	Adjust mesh
	Friction on toothed diaphragm rim too strong	Clean friction
	Friction surface bare	Grease surface according to lubrication plan
20. Flash contact fails to work	Faulty contact nipple	Renew contact nipple
	Cable has break in circuit	Remedy break
	Soiled contacts	Clean contacts
	No contact in the shutter synchronization	Repair according Compur and Prontor-Reflex shutter instructions
21. M-setting same as X-setting	Faulty shutter	Repair according Compur and Prontor-Reflex shutter instructions

Instructions for dismantling and re-assembling the cameras

The gear and the exposure meter

To expose the gear or the exposure meter, the rewind knob and the rapid wind lever 534 should be removed so that the cover cap 286, 279 or 284 can be taken off. Tools for dismantling the frame counter: 527/24 CM/82 and 527/24 CM/80.

Attention ! Threaded nipple 172 has left-hand thread (fig. 8). Take care of the necessary washers.

To dismantle the rewind knob the tool 872/24 M/80 is needed, whilst for the rapid model tool 867/24 M/80 should be used. The cover cap is retained by 2 cylinder screws 27 and one countersunk screw 64.

The screw 130 on the film-speed setting wheel 482 should not be screwed off (see: "Exchanging the film-speed disc" on page 7).

Be cautious when removing the cover cap. In the Contaflex super there is a wire connection between the cover cap and the exposure meter (fig. 9).

The exposure meter case complete 414 can be removed after loosening three screws 88 and soldering off two wire connections. The gear complete 241 is secured to the gear case by means of three screws 26 (fig. 13).

Assembling the complete gear 241

Insert the locking lever 533 into the upper bedplate 240; take care that it runs smoothly. Before tightening the bearing bush 180 with 3 screws 26 adjust the eccentric in the upper bedplate 240 so that the bearing bush is as far as possible to the left (that is to say turned in an anticlockwise direction). The screws should be tightened only slighily at this initial stage. Now insert the film-key bolt 463 together with the gear spring 208 and hook the eyelet of the spring on the bolt. The lug of the film-key bolt should be set behind the bolt (fig. 20), working against the power of the spring. Now tension the spring by two turns of the film-key bolt so that after tensioning the lug ist placed behind the bolt once again.

Attention! After tensioning, the spring should be adjusted to form one layer only.

Insert the trigger bolt assembly 462 and, from the opposite side also insert the locking wheel 368 (teeth in the clockwise direction). The borings should be aligned according to the threaded holes. Place the catch 330 on it so that the riveted slide-pawl is on top. Turn the lug together with the slide-pawl in a clockwise direction until it stops. Insert the coupling disc 474 and screw it on loosely with 3 screws 65 but check that the slide-panel engages one of the recesses of the coupling disc.

Turn the gear around and insert the cam spindle 436, the assembled spur wheel 366 and the bevel gear 370 into the upper bedplate. The teeth should be brought to mesh so that the cam points exactly to the stop bolt on which strikes the lug of the film-key bolt. Now the cam bolt is lifted once again and the mesh of the teeth moved to the left by exactly 1 tooth, that is to say, the cam spindle is turned in the anti-clockwise direction. The left edge of the cam now touches the right edge of the bolt. Insert the armature wheel 367, the stopping bolt 464 and the assembled locking lever 530 together with the spring 207 into the bedplate (fig. 20).

Now the bedplate with the spring 239 attached can be placed on the camera (note the correct mesh of armature and armature wheel) ans screwed with 2 screws 26 (leave the screws loose by one thread). Lift the bedplate slightly and push the end of the spring 207 behind the third spacing bolt. Screw on the third screw 74 and tighten all three screws, which should then be safety lacquer.

Checking: When tensioned by a finger, the cam disc should spring back positively to its initial position regardless of its starting position.

Insert course angle assembled 247 together with bevel gear 369 into the upper bedplate and screw on with two screws 26. The course angle must be aligned by shifting so that the bevel gear engages the spur wheel without any tension at all but with a very slight play. The tension spring 206 on the locking lever 533 and bolt should now be hooked into the bedplate.

Adjusting the assembled gear 241

1. The following operation is necessary only when a new bedplate with spring 239 is used.

   The mesh between the armature and the armature wheel should be adjusted by bending of the holder, being punched free, of the armature spindle so that one tooth of the armature always covers hald of the tooth flange of the armature wheel, which can be observed through the two bore holes in the bedplate.

2. The gear should be tensioned by turning the catch 330 in an anticlockwise direction until it stops. The 3 countersunk screws 65 in the coupling disc 474 should be loosened and the locking wheel 366 turned in a clockwise direction until it stops and then allowed to return so that the stop lug of the film-key bolt 463 is 1 mm in front of the stop bolt between the bedplates. Now tighten the 3 screws 65 firmly and secure with safety lacquer.

Checking: When tensioning the gear only the catch 330 should butt; between the stop lug of the film-key bolt and the stopping bolt there should be an air-space of appreximately 1 mm. By turning the eccentric screw in the upper bedplate, the correct adjustment can be achieved.

3. Tension the gear. The stopping lever (together with spring 239 riveted to the bedplate) should be adjusted so that its lug is exactly in the centre of the recess of the trigger bolt. Adjustment should be performed with the tool 26 408 a Tm/85.

Adjusting the exposure meter of the Contaflex prima

If the exposure meter housing is separated from the camera or a new exposure meter has to be inserted into it, variations in the zero position of the follow-up pointer as well as in the calibration may ossur. The zero position of the follow-up pointer can be adjusted on the scanning lever 536 by turning the riveted eccentric screw (fig. 12), using the zero position of the instrument pointer as the checking mark. The photo-cell should be blacked out completely. The zero position is adjusted correctly when the instrument pointer lies below the outer edge of the white ring of the follow-up pointer. The zero point adjustment of the instrument pointer can be made with the aid of a pointed needle after removing the closing screw 144 and the setscrew 146.

Adjusting and calibrating the exposure meter of the Contaflex super

If the zero point deviates only slightly it can be readjusted by unscrewing the cover 283 of the exposure meter and moving the zero setting lever on the instrument. Serious deviations, however, should not be re-adjusted in this way, since uncorrectable calibration faults may occur. Such instruments should be returned to Stuttgart for proper repair.

The exposure meter of the Contaflex super can be calibrated only when mounted on the camera, that is to say, in conjunction with the camera. The diaphragm and shutter speed values listed in the table of the exposure meter testing case VE 33 should be set on the Camera and the exposure meter adjusted until the deviation of the pointer corresponds to the set brightness of the testing case. The adjustment is described in the following paragraph.

Calibrating the exposure meter; general

Deviations in calibration in the lower range (first third of the deflectionrange of the pointer) can be adjusted as usual by limiting the efficiency of the photo-element. The two possible methods of covering the cell, by either grey filters or by pasting black Tesa-filmstrips on it, have, photo-electrically, the same effect and can be employed equally effectively according to the availability of either. Coating the cell directly with black lacquer is on no account permissible, however. The adjustment of the upper range (the last third of the deflection-range of the pointer) should be performed by altering the value of the resistor. Adjustments in the upper range have little influence on the lower range and vice versa. It is necessary therefore to adjust the upper range as well as the lower range several times. The resistors 645 are obtainable from Stuttgart in a sufficiently finely sub-divided range of values. For the Contaflex super and prima the values of the resistors lie between 6 K-ohms and 10 K-ohms. To this is added the resistance of the conductor, approximately 4 - 6 K-ohms. The following resistors are available:

4,0 K-ohms - 4,2 - 4,4 - 4,6 and so on, increasing by 0,2 K-ohms each up to 16,4 - 16,6 - 16,8 K-ohms.

To compensate for the influence of temperature on the calibration the Contaflex super and prima have built-in balancing resistance. When repairing exposure meters with built-in balancing resistance attention should be paid to the following points:

1. The balancing resistance is in series with the resistor
2. The balancing resistance is extremely responsive to temperature. Measurement of the resistance should be performed at 65^{0} F (18^{0} C), that is to say, let it cool down after soldering.
3. The balancing resistance are highly sensitive to mechanical stress. Bending the wire-ends and aligning them after soldering should be performed with the greatest caution.
4. The value of the resistance is marked by two colour dots on the body.

Colour code: The coloured dots denote the resistance value in K-ohms. The dot next to the front surface denotes the full K-ohms value, the dot towards the middle of the body denotes the first digit behind the decimal point.

Key:					
	0	= black	5	=	green
	1	= brown	6	=	light brown
	2	= red	7	=	dark brown
	3	= orange	8	=	grey
	4	= yellow	9	=	white

Example: 5,8 K-ohms = green-grey

6,2 K-ohms = light brown-red.

Exchanging the film-speed disc 500, 501 in the Contaflex super

Exchanging a DIN disc for an ASA disc or vice versa should be performed with the greatest of care, since a complete dismantling of the exposure meter may become necessary otherwise. The stopping point of the disc towards the lower film speeds is not fixed precisely. This fact is utilized for adjusting the calibration of the exposure meter if excessively high or low measurement values over the whole measuring range must be corrected. It is a good plan therefore to set disc to this stop before starting to exchange the discs and to note carefully the position of the black index stroke relative to the word DIN or ASA. After having exchanged the discs, this may facilitate the final adjustment. While exchanging, the camera should be inclined so that the lens

points downwards. Now remove the screw 130. Beware of the pressure of the spring 215 on the film-speed disc and catch it. Now remove the film-speed disc together with the setting knob 251. After inserting the film-speed disc required, take special care that the assembled disc 334 is not pushed inwards and twisted when screwed on, since this would necessitate dismantling the exposure meter. When only the setting disc has fallen inwards it can be seized with tweezers and pulled out unless it hat turned. Before tightening the film-speed disc it should be adjusted so that at the end position (low value) it is positioned (in relation to the black index) exactly like the exchanged disc beforehand. If by checking the calibration a uniform shifting of the calibration values towards excessively high or low value is established, the film-speed disc can be turned in relation to the axle to compensate for it. After tightening the screw 130 the alteration is completed.

The penta-prism

The penta-prism is retained by 3 screws 29. Imrotant ! When removing it take care of the shim-plates 291. When assembling, these shim-plates should be placed in exactly the same spots as they were before dismantling.

Gear housing 418, 411 or 412 and lens holder

First loosen the two grub-screws 90 and push back the two bearing bolts 469 (The bearing bolts for Contaflex rapid No. 467). The Contaflex rapid and prima have one grub screw and one bearing bolt only. After removing the 3 screws 29 and 1 screw 34 the whole gear housing can be taken off.

Dismantling has now advenced to the point wehen the lens holder can be removed when the leather covering is detached and the 4 screws 27 are unscrewed.

Lens holder Contaflex super

Dismantling

When the 3 screws 32 are unscrewed, the shutter can be removed from the lens holder.

Now loosen the two grub screws 145 and lift up cautiously the distance scale 496 meter or 499 feet. Screw out the inner threaded ring 403 (which has a multiple left-hand thread) and take out the assembled clamping plate 541. For removing the threaded ring 492 the four grub-screws 37 on the outside of the threaded ring 491 should be loosened. Now the threaded ring 492 can be screwed out and the external threaded ring 491 lifted off.

Assembly

To assemble the lens holder, first put on the external threaded ring 491. Then insert the threaded ring 492 by screwing it in until it stops and then turning it back once again by approximately 10^{0}. The external threaded ring 491 should be screwed in a clockwise direction until it stops and the four grub screws be tightened uniformly. Insert the assembled clamping plate 541 and the insulating pieces together with the contact bolt 584 and screw in the inner threaded ring 493 until it is approcimately 0,5 mm below the threaded ring 492. Now insert the shutter and the driving spindle 365 and fix them with 3 screws 32. To adjust the lens, see page 10.

Lens holder Contaflex rapid

Dismantling

The distance setting ring 472 should be set to ∞. Remove the 4 screws 33 and lift off the shutter. Now loosen the 2 screws 35 and remove the bearing plate 273. Unscrew the roller 260 and take off the toothed rim 373 and the clamping plate 540.

Now loosen the secured screw 134, unscrew the internal threaded ring 489 and screw off the distance setting ring 472. This ring has a left-hand thread. If necessary the threaded ring 490 - which also has a left-hand thread - can be taken off after removing the two screws 21. Take care of the 3 washers 302. Before removing the threaded ring 490 mark the correct position and place it exactly as it was when reassembling.

Assembly

Insert the threaded ring 490 accurately into its former position by using the 3 washers 302 and retain it by 2 screws 21. Screw in the distance setting ring 472 (left-hand thread) until it stops and turn it back (by 30 - 60°) until the recess in the setting ring becomes visible through the bore hole for the screw 134. Tighten the screw together with trunnion 134. Secure with binding agent 6106 the two screws 21 and the screw 134. Screw in the internal threaded ring 489 so that if possible the markings on the same level coincide. The internal threaded ring 489 can also be screwed into the setting ring 472 at the beginning of the assembly process. Insert clamping plate 540 and toothed rim 373 and screw on the roller 260. Mount the bearing plate 237, insert the shutter and screw it on.

Adjust the bearing plate so that there is no radial play no matter whether the lens is drawn back or pulled out. Adjust the bearing plate by means of the two grub screws 40.

If necessary make the toothed rim 373 travel smoothly by adjusting the two eccentrics 542. Lock the eccentrics by 2 grub screws 41.

After assembling the lens holder on the camera body, the lens setting should be checked carefully (see page 10).

Lens holder Contaflex prima

Dismantling

Remove the front lens. Remove the 4 screws 73 from the depth-of-field ring 498.

Take off the shutter speed ring 497 and the depth-of-field ring. Remove the 2 screws 72 and take off the toothed segment 341. Then remove the planet ring 470, the diaphragm ring 476, the notched disc 336, the exposure value ring 478, the film-speed ring 477 and the sealing ring 479.

Lift off the shutter from the lens holder after removing the 4 screws 32 and the 4 spring-loaded studded discs 47. Take care of the shim plates 303 - 308 and 310.

Assembly

The shutter is fixed to the lens holder by 4 screws 32 and four spirng-loaded studded discs 47. Check that the shim plates 310 (small diameter) are next to the shutter. Insert the sealing ring 479. Since the sealing ring is difficult to insert

when the shutter is screwed on tightly, it is a good plan to loosen the 4 screws 32, then insert the sealing ring and only then tighten the screws 32. Now insert the film speed ring 477 so that its recess lies on the lug of the curve 543, whilst the exposure value ring 478 should be inserted so that it points to 15° DIN. These two rings should then be turned in an anti-clockwise direction until they stop. The notched disc 338 with its lug should engage in the recess in the shutter body which is provided for this purpose. The diaphragm ring 476 should be inserted so that its lug catches and carries the curve 543. When inserting the planet ring 470 care must be taken that the protruding spindle is inserted into the recess provided for it in the body of the shutter. Then the toothed segment 341 should be tightened slightly by a screw. The exposure value ring 478, the diaphragm ring 476 and the planet ring 470 each have a small marking. On the exposure value ring this marking is approximately in the middle between the two knobs, on the diaphragm ring near stop f/8 and on the planet ring a stroke on the outer surface is a clear enough marking.

Turn the exposure value ring so that the marking coincides with the index on the index bearer 273. The diaphragm ring and the planet ring should also be turned so that their markings soincide with the index. During all these adjustments the film speed should remain set to 15° DIN. Screw on the toothed segment 341 with 2 screws 72 and tighten them. The protruding lug of the shutter-speed ring should be turned so that it coincides with the index (1/15 sec.). Insert shutter speed ring 497 and depth-of-field ring and fasten them with 4 screws 73. The adjustment just described is of the greatest importance; if deviations occur the whole exposure mechanism will be rendered out of order.

Checking: To check whether all rings are mounted correctly, the camera should be set to 15° DIN. On turning the exposure value ring 478, at one end-stop 1 sec. stop f/2,8 should appear, at the other one 1/125 sec. stop f/22. If the shutter speed ring 497 is set to B, the diaphragm should show stop f/4 and click in here. If the diaphragm is not exactly on 4 and does not click in, the depth -of-field ring and the shutter-speed ring should be removed once again, whilst the toothed segment 341 should be moved so that the diaphragm is set to f/4 when checked as described above and clicks in without fail. If the individual rings have too much air space this should be decreased by moving the sealing ring 479 further upwards by means of the 3 adjusting screws 43, which then must be secured with lacquer.

Setting the lens of the Contaflex super

Turn the external threaded ring 491 until the lens adjustment in the collimator coincides exactly with ∞. The loosen the 4 grub screws 37 and turn the external threaded ring 491 until it stops exactly at ∞. Tighten the four grub screws uniformly and secure with lacquer. Check the whole adjustment thoroughly once again.

Setting the lens of the Contaflec rapid

By moving the setting ring 472 the lens is set exactly to ∞ by means of the collimator. In this position the 4 screws 33 should be loosenec. Now the setting ring 472 can be turned to the ∞ stop without the lens being displaced. Tighten the 4 screws and repeat once again, checking the adjustment.

Setting tne lens of the Contaflex prima

The adjustment of the lens of the Contaflex prima should be performed with the aid of shim plates (1 x 310 and if necessary 303 - 308), by using the collimator.

Shutter repairs

Many shutter repairs can be performed without removing the shutter from the lens holder. Frequently the repair can be performed with the shutter in its position, directly from the front. For individual shutter repairs please study the special instructions for repairing the Compur - or Prontor-Reflex shutters. In order to perform an accurate check on the Contaflex super and its exposure control, that is to say, whether the shutter-exposure meter coupling has been returned to its original position, it is a good idea to mark the exact position of the diaphragm ring prior to dismantling the shutter. The checking procedure to be used is as follows:

Set the film speed disc to 18° DIN (50 ASA) and the shutter-speed ring to 500. Turn the rapid wind lever until it stops, turn the exposure meter setting wheel 482 until it stops, so that the diaphragm ring will be arrested between f/16 and f/22. The exact stop thus obtained should be marked and noted.

After assembling, the stop of the diaphragm ring must be exactly at the same position as before dismantling.

The middle lens of the Tessar can be unscrewed by means of the tool 863/24 M/852. Before doing so remove the safety grub screw which protects the middle lens from rotation.

When assembling the shutter special care should be taken to ensure that the shutter speed ring is inserted so that it is in exactly the same position as before in order to make the coupled automatic exposure control work correctly once again. Check by using the above-mentioned testing method.

With the Contaflex prima shutter repairs can also be performed without dismantling the faulty shutter completely. The dismantling and assembling procedures are the same as described comprehensivela on page 9.

Removal and mounting of the element shutter-lenses

With the Contaflex super and rapid the element shutter-lenses can be removed and mounted without the necessity of disassembling the camera itself. With the Contaflex prima it is similar, however, all exterior rings must be removed.

Contaflex super - how to remove and insert the shutter

Set the distance to ∞. The 3 screws 32 which retain the shutter on the lens holder should be loosened through the film gate by means of a sufficiently long screwdriver. Take care of the spring-loaded toothed discs 47, which must be used again for the assembly.

Assembling the shutter should be performed as follows:

Set the wheel of the exposure meter at 18 DIN (50 ASA) and turn it in a clockwise direction (seen from the front) until it stops. Set the shutter before inserting to 125 full seconds (green scale) and to stop f/22. Insert the shutter in this position and fix it by 3 screws 32 and 3 spring-loaded toothed discs. Check the cocking of the shutter. The sector-blades should open completely: at setting B the shutter must open and close perfectly. To check the coupling to the exposure meter the testing method described on page should be used. Every time the shutter is dismantled it calls for a new adjustment of the lens. How to do this, see page 10.

Contaflex rapid - how to remove and insert the shutter

After removing the 4 screws 33 the shutter can be taken off. When inserting it, the driving spindle 359 should be inserted so that the tensioning device works correctly once again. Every time the shutter is dismantled involves readjustment of the lens.

Contaflex prima - how to remove and insert the shutter

When removing the Prontor-Reflex shutter from the Contaflex prima all rings up to the sealing ring 479 must be removed. After unscrewing the 4 screws 32 and the 4 spring-loaded toothed discs, 47 the shutter con be removed from the lens holder. Take care of the shim plates 303 - 308 and 310.

When inserting the shutter the toothed wheel 377 (fig. 15) should be turned in a clockwise direction until a resistance is felt. (This eliminates any play in the teeth). Now the carrier-arm on the shutter should be tensioned a little so that approximately 1 tooth initial stress occurs on the working wheel. Insert the shutter and tighten one screw slightly. Now insert the sealing ring 479 and all 4 screws, together with the spring-loaded toothed discs. and tighten them. Check tne cocking device: sector-blades should open completely; on B they should be opened and closed perfectly.

The following steps of assembly are described at length under Assembly of Lens Carrier prima, page 9. Check lens setting (page 10).

Adjusting the cocking transfer of the shutter

If, as a result of some repair work, the engagement between the shutter and the gear has been separated, the cocking transfer of the shutter must be re-adjusted after the assembly.

Remove the rapid wind lever. 3 screws 76 in the spur wheel 366 are accessible through 2 holes in the upper bedplate of the gear (fig. 13), one in each of thetwo holes when the gear is tensioned and the third beneath the external hole when the gear is halb tensioned. These screws should be loosened (approx 1/2 turn). To loosen the third screw it is necessary to insert a screwdriver laterally into the gear and to press back the contol lever 531. Now the gear should be tensioned.

The shutter should be tensioned by means of the tool 871/24 M/80. For this purpose the tool is inserted into the opening on the front of the gear (fig. 10) and turned to the right until it stops. It is important that the tool should be loosened after stopping so that it can return by 1/6 or 1/8 turn. In this position the tool must be held tightly and should be relaxed only after at least one of the 3 loosened screws 76 has been tightened. Only then can the tool be pulled out. When all 3 screws have been tightened the adjustment of the cocking transfer of the shutter is completed.

Contaflex prima:

There is only one deviation from the above-mentionded sequence of operations: the tool 871/24 M/80 should be loosened to return by only half the amount specified above.

The adjustment should be checked as follows:

1) Set the shutter to "B" and to one of the faster shutter speeds and let it run off several times. The shutter should open and close to perfection.
2) Tension slowly the shutter and listen to the clicking noises. After clicking into a notch the outermost point of the rapid wind lever should idle another 2 - 3 mm until the stop position is reached.

Assembling the housing

Fit together the mirror plate 285, the forked lever 525 and the spindle of the hinge 433. The spring 202 should be placed in the right-hand recess of the mirror-flap in such a way that the angular end of the spring lies in front, the straight end behind on the forked lever 525. These references are given on the understanding that you facing the mirror whilst the spindle of the hinge 433

points upwards. The spring 219 should be placed in the left-hand recess of the mirror flap. The actual position of this spring does not matter.

The pre-assembled mirror flap together with the spindle of the hinge 433 should be placed in the assembled capping plate 281. On the right-hand end of the hinge spindle a disc 90 a or 90 b should be placed and on top of this bearing bush 178 with the lug pointing outwards. The surface of this lug should be at right angles to the mirror. The spacer bush 179 should be placed on the left-hand end of the spindle of the hinge which, in turn, should be moved to the right so that the left-hand end is flush with the spacer bush. The left-hand spring 219 should then be lifted by approximately 90° and the bearing plate 267 pushed on the right-hand end of the hinge spindle so that the flat of the bearing bush 178 engages the recess of the bearing plate. Now push the spring 204 on to the lug on the left-hand side of the bearing plate so that the long end of the spring in front lies against the bearing plate whilst the short end points backwards. If the bearing plate is now pushed into the flap-system a disc 90 c should be inserted between the spring 204 and the flap. The the spindle of the hinge should be pushed to the left so that it is flush with the bearing plate on both sides. If the bearing plate has too much play in the direction of the spindle, the two tabs should be bent accordingly.

Test: Hold the bearing plate. When lifted the capping plate 281 should fall back by its own weight from any position. The mirror flap should be pressed upwards by the power of the spring.

Insert the bearing together with the pre-assembled flaps into the housing. The short end of the spring 204 presses against the housing. Screw the bearing plate to the housing by means of three screws 24, true it up to the middle and tighten the screws.

Test: When lifted, the capping plate should fall back by its own weight from any position and should not chafe against the housing.

Screw the angle 248 into the housing by means of the screw 30 and hook in both forked levers. The loose disc in the angle lies between the two forked levers. Before tightening the screw adjust the angle so that it conforms to the following conditions:

1) The guiding rivet in the angle should be at a sufficient distance from the capping and the mirror flaps that any chafing is safely prevented.
2) Both the forked levers should be guided in the angle without being interlaced or under tension.
3) In case the mirror flap is jammed the lever in the upper link of the forked levershould contact safely the lug of the mirror flap (fig. 18).

After turning back the two retaining springs in the mirror flap, the mirror 552, with its bevelled corners downwards, is pushed into the mirror flap and secured by the retaining springs.

Test: Use the gauge 861/24 M/700 and align the mirror flap so that it lies absolutely plane against both the measuring edges of the gauge.

The hinges of the flap system should be oiled according to the lubricating plan and finally the long end of the spring 204 hooked into the recess in the capping flap.

Assembling the remaining constructional units

Place the spur wheel 350 and the spur wheel 361, 372 or 378 on the lens holder (fig. 16). Secure the lens holder with 4 screws 27. Place the gear housing on it and secure with 3 screws 29 and 2 screw 34. Take care that the position of the film drum corresponds to the testing instructions. Push in the bearing bolt and tighten the grub screws.

The complete gear 241 should be fixed to the gear housing by 3 screws 26. Adjust the shutter cocking transfer as described on page 12 .

Insert the penta prism, place the shim plates 291 beneath it correctly and secure by 3 screws 29.

When inserting the exposure meter into the Contaflex super, set the shutter speed disc on the shutter to 125 full seconds (green figure), and the film-speed disc to 18 DIN (50 ASA). Turn the setting wheel of the exposure meter in a clockwise direction (as seen from the front) until it stops. Insert the rewind gear 383. Insert the exposure meter and secure by 3 screws. The tooth mesh can be adjusted by loosening the 2 screws 84. Turn in the grub screw 39 so that the shutter speed disc can be rotated satisfactorily.

Set the shutter to 500, tension the camera, set the film speed to 18 DIN (50 ASA).

If the exposure meter setting wheel 482 is now rotated, the buffer should be between stops f/16 and f/22 (see testing method on page 11).

Solder on the two leads from the exposure meter. Place on the cover cap and screw it on. Mount the rapid wind lever 534 and the frame counter and adjust as described below. Mount the rewind knob together with the film-type indicator. Check the whole camera carefully according to the testing instructions.

Camera back

The assembly of the camera back was changed during the production. There are now two types, i.e. the older one using retaining discs and the latest one using bolted locking discs. In case of any repair the one or the other type may be optionally mounted into the back.

Comparison of changed parts:

First type		Second type
42 259 T	Locking disc	42 312 T (337)
-	Cap screw	60 220 (431)
1,9 DIN 6799	Protection disc	-
-	Retaining ring	ZIN 2362 2,5 x 0,6 (116)
1,9 DIN 6799	Protection disc	-
65 487	Bearing spindle	65 492 (449)

Parts of the locking mechanism not listed in the above comparison are required for both designs.

Adjusting the idle travel of the frame counter

Before inserting the counting disc 504, the frame counter should be adjusted. The control ring 572 should be turned so that the control spring 191 becomes visible through the large opening. Tension the rapid wind lever and keep it in this position; the control spring 191 should now rest on approximately the middle of the flat tooth face of the control ring. Now relax the rapid wind lever slowly and observe the white index of the control ring. The movement of the control ring at the end of the return travel of the rapid wind lever should amount to approx. 0,3 - 0,5 mm. Adjustment is made by shifting the spring 190 after loosening to 2 screws 79 (fig. 8).

Adjustment of the idle travel of the release nipple in position "B"

This adjustment should be performed by means of the special screwdriver 871/24 M/81 which should be passed through the release nipple 171. The counting disc 504 should not be inserted yet; the shutter should be set to "B" and tensioned. The release nipple 171 should be pressed downwards very slowly whilst the path of travel between the opening of the shutter and the impact of the release nipple should be noted. Now the release nipple should be relaxed slowly and the length of the path be noted once again between the closing of the shutter and the upper buffer of the release nipple. Both these travels should be approximately equal. This can be arranged by passing the special screwdriver 871/24 M/81 through the release nipple. With the inner part of this screwdriver the screws loosened, with the outer part adjustment is performed by turning it to the right or the left. After adjustment the position found should be secured by turning the inner part of the screwdriver to the right.

Testing method

A. Mechanical check

Lens and shutter

1. The bayonet should be arranged relative to the camera so that a Steritar B, catalogue No. 20.2005 (or Steritar D, catalogue No. 20.2006) when inserted should be perfectly parallel with the lower edge of the camera.
2. The spring-loaded stop lever on the bayonet should be pressed inwards so far that the front-lens is unlocked.
3. When the front-lens is inserted it should sit perfectly tight in the bayonet without any axial play.
4. For Contaflex super and rapid only: The selector lever for the synchronization should be movable only when the locking lever is pressed in at the same time.
5. The selector lever should click into the position "V" only when the shutter is tensioned beforehand.
6. For Contaflex super only: The film-speed scale should turn positively after being depressed and rotated. When relaxed it should click in securely.
7. The ring for setting the distance should turn positively.
8. For Contaflex super only: The shutter speed ring should click in at the values from 500 to B and turn positively in the remaining range.
9. For Contaflex prima only: The shutter speed ring:
   a) When the exposure value ring is rotated, the speed ring should move in the opposite direction when the diaphragm ring is held firmly.
   b) The speed ring should carry along the diaphragm ring when set by hand and snap in at all shutter speed figures, from 500 to 1.
10. The M 27 x 0,5 filter thread in the front-lens ring should not be damaged.
11. The flash contact should sit perfectly tight and must not be damaged.

Back

12. The back should:
    a) be pushed easily on to the camera body
    b) close the camera body tightly and without play when locked.
    c) seal the film chambers and film track against light.
13. The locking mechanisms should allow easy operation, furthermore the folded flat keys should refuse any rotation of the locking mechanisms. The locking mechanism on the tyke-up side should:
    a) uncouple the film transport roller when in position "R"
    b) disengage the uncoupling device when the key is rotated to the locking position.

    The pressure plate should be perfectly flat and undamaged. The film slide roller should turn easily in its bearings.

Film transport and frame counter

14. The rapid wind lever:

a) should rotate until it stops without jamming

b) should return to its initial position resiliently

c) should refuse to move from its initial position as long as the shutter has not been released beforehand.

15. The film transport sprocket should:

a) be symmetrical to the short side of the film gate

b) after tensioning the shutter, be so positioned that one pair of teeth point to the film plane and stand parallel to the spindle 65 449 Tm.

16. The film spool catch of the rapid wind lever should rotate with a torsional moment of 120 to 200 cmg (tool for measuring the take-up friction QL 174).

17. When the rapid wind lever is rotated until it stops

a) the capping flap should butt resiliently against the housing rendering it light proof, before the mirror flap begins to move and the shutter blades start to open.

b) the mirror flap should pivot into the path of rays of the lens until it stops.

c) diaphragm and shutter should be fully open

d) the shutter should be tensioned perfectly. The shutter tensioning lever should engage before the rapid wind lever has reashed the stop.

e) the index ring of the frame counter should be advanced by one division.

18. When the release knob is depressed the following sequence of operations should occur:

a) the shutter should be closed

b) the mirror flap should flip up and butt snugly against the gear housing forming a lightproof seal

c) the capping flap should flip up

d) the diaphragm should spring to the pre-set stop

e) the shutter should expose the film buttonly after the operations a) to d) have been completed

f) the shutter tensioning device and the film transport should be ready for operation once again.

19. When the shutter is set to 1/500 sec. and stop f/2,8, the fully-open shutter should be visible when the shutter is released and the operation is observed by looking over the upper edge of the film gate.

20. When the shutter is set to 1/500 sec. and stop f/22 the smallest diameter of the diaphragm should be visible when the shutter is released.

21. The release knob in the centre of the frame counting scale

a) should be secured against twisting or rotating

b) should not be turned when a manually screwed-in cable release is screwed off

c) should be depressed positively with approx. 1 000 g when the shutter is tensioned and so release the shutter smoothly.

22. The index ring of the frame counter

a) should turn easily in the direction of the arrow

b) should lock immediately when turned against the direction of the arrow

c) point exactly to a dividing stroke with the point of the setting mark

23. The rewind knob should turn positively in both directions.

24. The crank in the rewind knob should be lifted easily when a finger is inserted in the groove and should spring resiliently into working position.

25. The film type indicator should move easily when the small knob is depressed.

Exposure meter

26. Zero point (for Contaflex super only)

With camera in a normal position, the pointer should be brought to the stop position at the beginning of the measuring range. With the photo-element covered the pointer should be at least 2 pointer-widths away from the centre of the circular setting mark, towards the beginning of the measuring range.

27. Zero point (for Contaflex prima only)

The follow-up pointer (ring) should be brought to the stop position at the beginning of the measuring range. When the photo-element is covered the measuring pointer beneath the ring of the follow-up pointer should be on the side towards the beginning of the measuring range.

Tolerance: The measuring pointer may appear to touch the ring externally or internally.

28. Jamming

The pointer of the instrument should not jam when passing through the whole working range, no matter what the position of the camera is.

29. Balance (for Contaflex super only)

When the instrument pointer is set to the zero point it should deflect by half a ring-diameter at the utmost when the instrument spindle is in a horizontal position and the camera is placed in a variety of positions.

30. Balance (for Contaflex prima only)

When the instrument pointer is set to zero point and the instrument spindle is in a horizontal position, it should deflect at the utmost only by the diameter of the ring of the follow-up pointer, in no matter what position the camera is.

31. Reading-off the result

The external and internal readings should coincide.

32. The bright field for the internal reading should be parallel to the edge of the image field and should not be shaded.

33. The pointer for the internal reading in its zero position should enter the bright field at approximately right angles.

34. Viewfinder

The viewfinder should be free from dirt. The framing of the viewfinder should lie symmetrically with in the image framing.

B. Optical tests

35. The lens at full aperture should give a sharp image in the focal plane and the centre of the film gate of any object within the individual distance for each distance setting.

36. The optical axis of the lens should be perpendicular to the focal plane, that is to say, image points of objects at equal distances, being centred on an imaginary circle of 20 mm Ø symmetrical to the centre of the film gate and in the focal plane, should be depicted with uniform sharpness at full aperture.

C. Electrical tests

37. The calibration of the exposure metershould correspond to the measuring values of the calibration control as listed in the table 1 of the description of the exposure meter test case VE 33.
38. Contaxt-making of the flash contact should be performed at the "X" setting (and also at the "V" setting) the moment the shutter is fully open. At the "M" setting, however, there should be a delay before the shutter is fully open.

D. General notes

39. Reflections should not be visible, neither in the finder image nor in the negative.
40. A film which has run through the camera forwards and backwards should be completely free from scratches with in the path of the film gate.
41. The accessory shoue should bot be damaged.

Contaflex super (10.1271) Lubricating Plan

Unit	Component	Point of lubrication	Fig.	Zeiss Ikon lubricant
Lens holder	Spur wheel 350	a) bearings	16	OS 2
		b) toothing		FM 6
	Spur wheel 361	a) bearings	16	OS 2
		b) toothing		FM 6
	Toothed segment 360	a) bearings	16	OS 2
		b) gliding surface		FM 6
	Rocking lever 538	a) bearings	16	OS 2
		b) gliding surface		FM 6
	Toothed segment with eccentric 363	a) gliding surface	16	FM 6
	Cogwheel, assembled 364	a) bearings	16	OS 2
		b) outer and inner tooth mesh		FS 8
	Driving spindle	a) gliding surface	10	FS 8
	Cogwheel 348	a) bearings	10	OS 2
		b) toothing		FS 8
	Cogwheel 349	a) bearings	10	OS 2
	Cogwheel 362	a) bearings	10	OS 2
	Threaded ring 492	a) outer thread	10	FM 1
		b) inner thread		FM 1
	Guide angle 249	a) gliding surface	16	FS 8
	Guide angle 250	a) gliding surface	16	FS 8
Gear housing	x Cam assembled 253	a) bearings	5	OS 2
		b) friction surface		no lubricant
	x Spur wheel 345	a) gliding surface	13	OS 2
		b) toothing		no lubricant
	x Cogwheel 344	a) bearings	13	OS 2
		b) toothing		no lubricant
	x Cam 256	a) gliding surface	6, 20	no lubricant
		b) bearings		OS 2

Unit	Component	Point of lubrication	Fig.	Zeiss Ikon lubricant
Gear housing	x Scanning lever 527 and 528 with spindle	a) bearing	20	OS 2
		b) zones of contact of the levers		FS 8
Gear	x Film-key bolt 463	a) bearings for winding-up wheel	20	FS 8
		b) toothings		no lubricant
		c) bearings for film-key bolt 463		FS 8
	x Locking wheel 368	a) gliding surfaces	20	FS 8
		b) toothing		no lubricant
	x Cam, assembled 330	a) gliding surface	20	FS 8
		b) bearings for pawl 474		OS 2
	x Coupling disc 474	a) curved tracks	13	no lubricant
	x Spring 211	a) windings	13	no lubricant
	x Locking lever 533	a) gliding points and bearings	13	no lubricant
	x Release (trigger) bolt, assembled 462	a) stem of trigger bolt	20	FS 8
		b) lug of the trigger disc		FS 8
	x Gear springs 208	a) windings	20	no lubricant
	x Cam spindle 436	a) bearing trunnion	20	OS 2
		b) stopping lug		FS 8
	x Spur wheel, assembled 366	a) toothing	20	no lubricant
	x Bevel gear 369	a) toothing	20	FM 6
	x Control lever assembled 531	a) gliding surfaces	20	FM 6
		b) bearing points		OS 2
	x Control spring 205	a) windings	(20)	no lubricant
	x Bevel gear and spur wheel 370	a) bearings	20	OS 2
		b) toothing		FM 6
	x Locking lever, assembled 530	a) bearing trunnion	20	OS 2
		b) gliding surface		FS 8
	x Armature wheel, assembled 367	a) bearing trunnion	(20)	OS 2
		b) toothings		no lubricant
	x Armature 526	a) bearings	(20)	OS 2

Unit	Component	Point of lubrication	Fig.	Zeiss Ikon lubricant
Housing	x Capping flap 281	a) hinges	18	$\frac{OS\ 2}{VO\ 1} : \frac{1}{10}$
	x Mirror flap 280	a) hinges	18	$\frac{OS\ 2}{VO\ 1} : \frac{1}{10}$
	x Forked lever 525 and 529	a) hinges-joints-gliding surface	18	$\frac{OS\ 2}{VO\ 1} : \frac{1}{10}$
Back	x Locking keys 337	a) bearings	7	OA 1
	x Locking plates 263 and 264	a) support	7	FS 5
	x Cam plate, assembled 544	a) bearings	7	OA 1
		b) gliding surface		FS 8
	x Gliding roller 252	a) bearings	7	OA 1
Exposure meter	Housing with movement 523	a) bearing trunnion	(19)	FS 8
	Spur wheel 355	a) bearings	19	FS 8
Camera, complete	x Spindle 448	a) gliding surface and bearings	6	FS 8
	x Film drum 258	a) bearings	6	OS 2
	x Spindle with spur wheel 438	a) upper bearings	6, 13	OS 2
		b) Lower bearings		OS 2
	x Cogwheel, assembled 371	a) bearings	13	FS 8
	x Tensioning lever 534	a) bearings	3	FS 8
	x Control spring 191	a) bearings and gliding surface	8	FS 8
	x Control ring 572	a) toothing	8	no lubricant
		b) bearings		FS 8
	x Release nipple 171	a) gliding surface	8	FS 8
	x Drive 383 (super and prima only)	a) bearings	13	OS 2
	Cogwheel 382 (super and prima only)	a) gliding surface	9	OS 2
		b) toothing		FM 6
	Cogwheel 381 (super and prima only)	a) bearings	9	FM 6

Unit	Component	Point of lubrication	Fig.	Zeiss Ikon lubricant
Camera, complete	x Rewind mechanism	a) bearings and friction surfaces	8	OA 1
		b) ninge for crank		OA 1
		c) gliding surfaces of scale 503		OA 1

All points of lubrication marked x apply equally to all three Contaflex models (super, rapid, prima). The additional lubrication points for Contaflex rapid and prima are listed below.

Contaflex rapid (10.1261) Lubricating Plan

Unit	Component	Point of lubrication	Fig.	Zeiss Ikon lubricant
Lens holder	Spur wheel 372	a) bearings	17	OS 2
		b) toothing		FM 6
	Toothed rim 373	a) outer toothing	17	FS 8
		b) inner toothing		FS 8
	Rollers 259 and 260	a) bearings	17	OS 2
		b) butting faces		OS 2
	Cogwheel 374	a) outer toothing	(17)	FS 8
		b) bearing		OS 2
	Driving spindle, assembled 359	a) toothing	17	FS 8
		b) shoulder		FS 8
	Distance ring, assembled 472	a) outer thread	17	FM 1
		b) inner thread		FM 1
	Base plate, assembled 237	a) crosshead guide	17	FS 8

Contaflex prima (10.1291) Lubricating Plan

Unit	Component	Point of lubrication	Fig.	Zeiss Ikon lubricant
Lens holder	Spur wheel 376	a) bearing	(15)	OS 2
	Spur wheel 377	a) bearing	15	OS 2
		b) toothing		FM 6
	Bearing bolt 439	a) bearing for spur wheel	(15)	OS 2

Unit	Component	Point of lubrication	Fig.	Zeiss Ikon lubricant
Lens holder	Curve 543	a) bearing surface	15	FM 6
		b) curved tracks		
	Film speed ring, assembled 477	a) gliding surfaces	15	FS 8
	Exposure value, ass. 478 (486)	a) gliding surfaces	(15)	FS 8
		b) toothing		FS 8
		c) coupling grip		FS 8
	Notched disc 338	a) toothing	15	FS 8
	Diaphragm ring, ass. 476	a) gliding surfaces	15	FS 8
		b) toothing		FS 8
	Planet pinion ring, ass. 470	a) gliding surfaces	15	FS 8
		b) toothing		FS 8
	Speed ring, ass., 497 (505)	a) gliding surfaces	15	FS 8
		b) toothing		FS 8
Gear housing	Catch 254	a) bearing	5	OS 2
		b) friction surfaces		FS 8
	Cogwheel 358	a) bearing	15	OS 2
		b) toothing		no lubricant
Exposure meter	Spindle, assembled, 440	a) bearing	(12)	no lubricant
		b) gliding surface of lever		no lubricant
Camera, complete	Setting lever, assembled, 536	a) bearings	12	no lubricant

Other accesories

Apart from the oils and greases mentioned in these lubricating plans the following accesories are also available:

1. safety lacquer, black
2. safety lacquer, chromium coloured
3. repair lacquer, black (air-drying)
4. binding agent 6106 (p.t.o. for instructions for use)
5. cement glue

Instructions for use of binding agent Nr. 6106

The Zeiss Ikon binding agent 6106 is used to join glass (lenses, prisms etc) to metal. It consists of two basic substances - which are marked 1 and 2 in the packages - and a hardener marked 3. The basic substances have an unlimited keeping property when stored dry. On the other hand, the hardener deteriorates, decolourises and becomes dark brown after some time; furthermore flaky deposits form. Spoiled hardeners should by no means be used. The instructions for use must be strictly adhered to:

1.) Substances 1 and 2 are mixed in the proportion 6 : 1. The total amount of 10 grams binding agent thus consists of 8.6 grams basic substance 6106/1 and 1.4 grams basic substance 6106/2. This mixture must be thoroughly stirred and will keep for several days.

2.) Immediately prior to use, the hardener 6106/3 must be added in such a way that 0.51 grams of hardener are mixed with the 10 grams binding agent mentioned under 1.). Special attention should be paid to carrying out the measuring accurately as any deviation from the given quantities will affect the stability of the cemented joint.

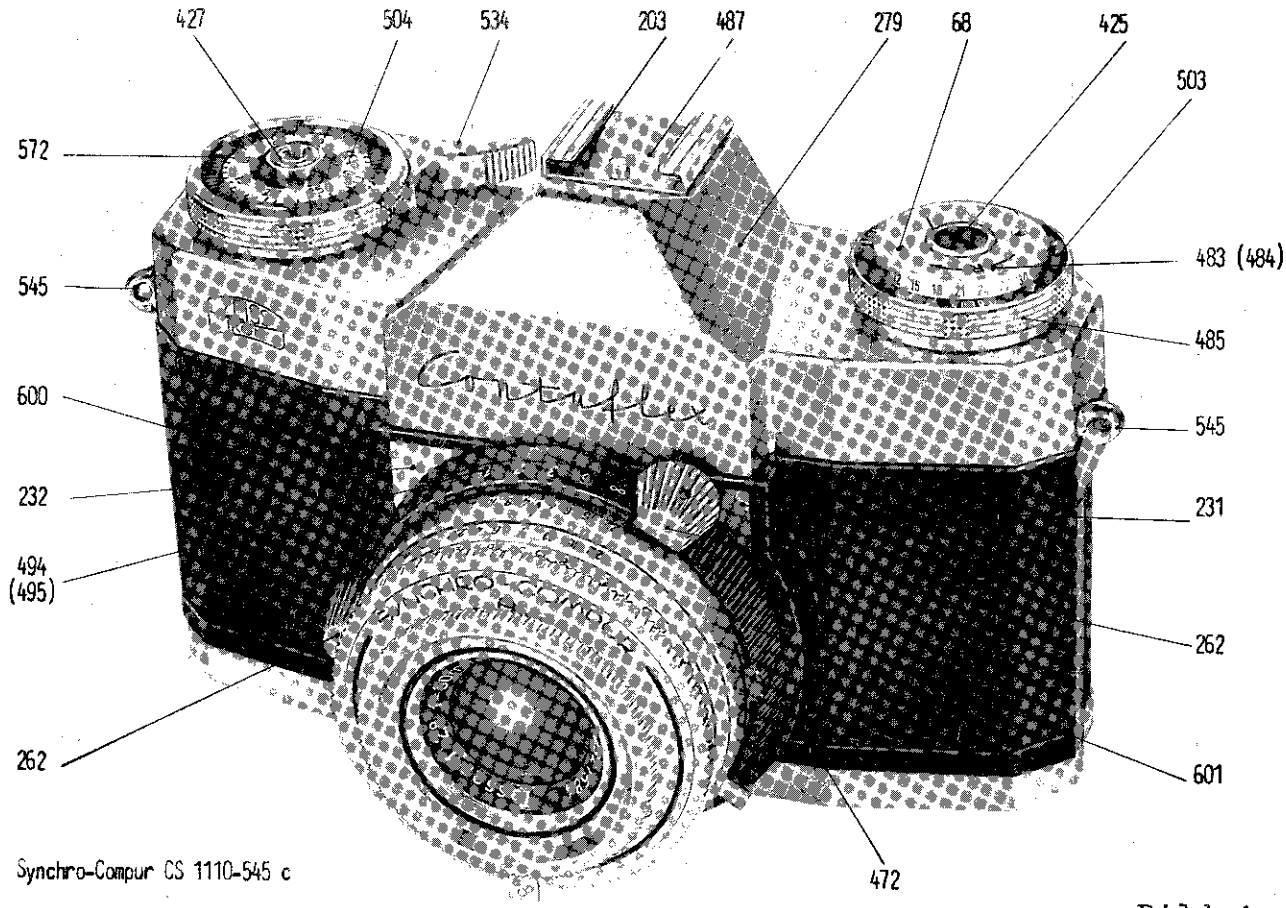
Mixture of the basic substances should be carried out on a balance having an accuracy of 10 milligrams. If such a scale is not available, the substance can be mixed on a letter balance. The hardener, which must be measured with the greatest accuracy, is added in drops so that about 14 to 15 drops of hardener should be added to the 10 grams of binding agent.

The pieces to be joined must be absolutely free of grease before the binding agent is used. Even traces of grease would affect the stability of the cemented joint. After addition of the hardener, the binding agent can be used for about an hour (when the temperature is over + 20^{0}C = 68^{0} F the time of serviceability is shorter). The time of usefulness is limited by the beginning of the hardening process and must be strictly observed. Complete setting of the binding agent will take 24 hours at a temperature of + 20^{0}C = 68^{0}F. It can be accelerated by heat. At + 80^{0}C = 176^{0}F the hardening process takes only 2 hours, it is, however, inadvisable to raise the temperature above + 80^{0}C.

When completely set the binding agent has a temperature constancy up to + 80^{0}C = 176^{0}F and resists climatic and most of the chemical influences.

Zeiss Ikon A.G.
Stuttgart

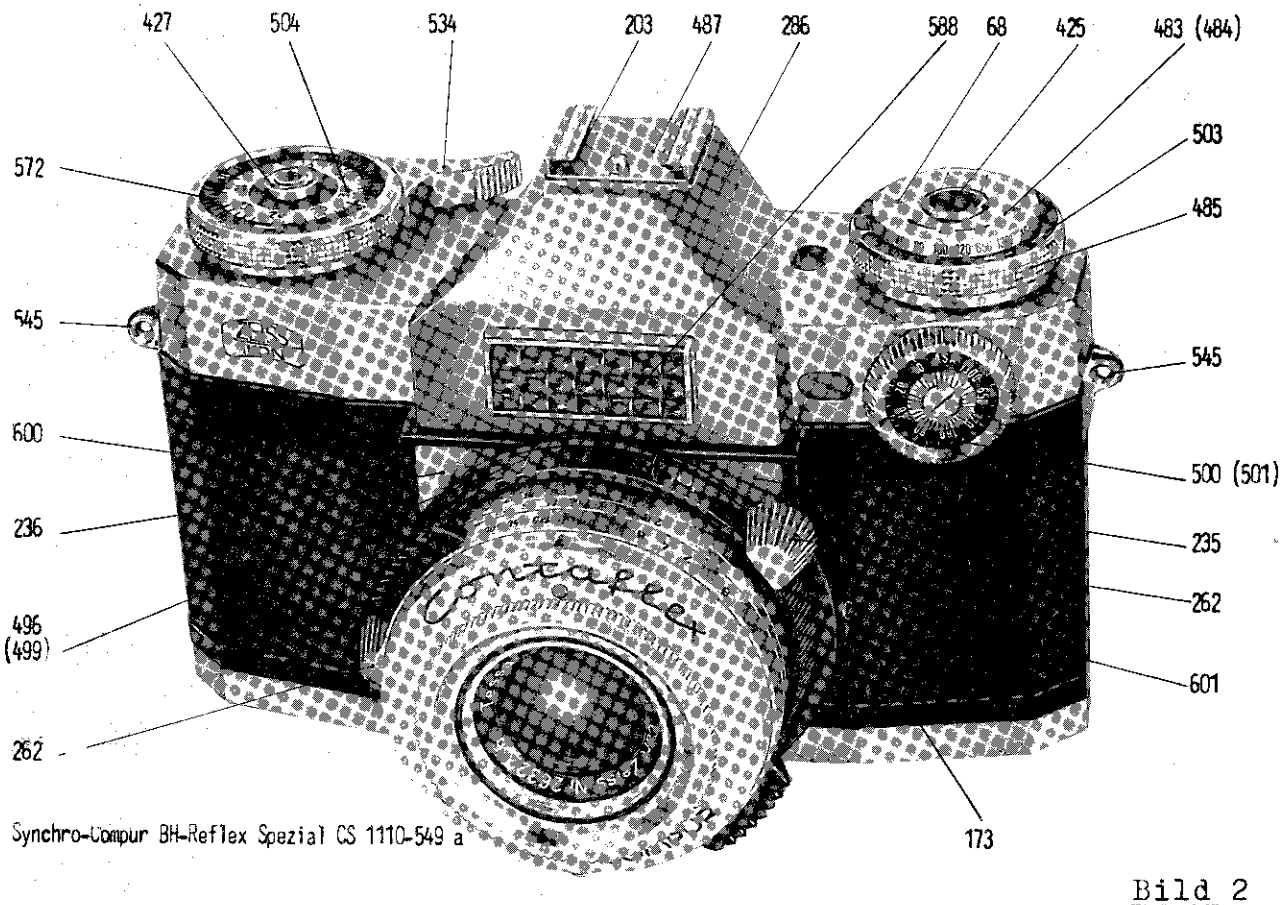
Contaflex rapid Kat.Nr. 10.1261



Synchro-Compur CS 1110-545 c

Bild 1

Contaflex super Kat.Nr. 10.1271



Synchro-Compur BH-Reflex Spezial CS 1110-549 a

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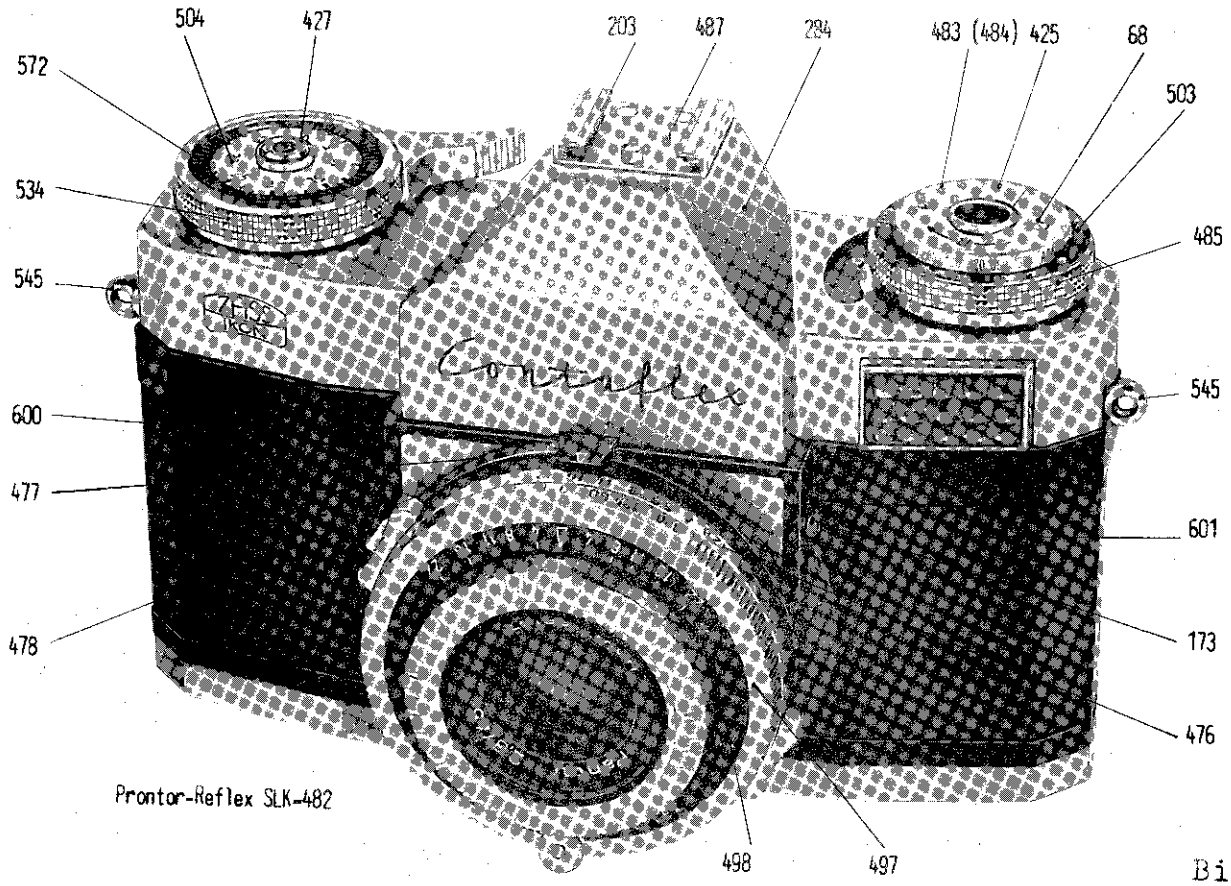

Prontor-Reflex SLK-482

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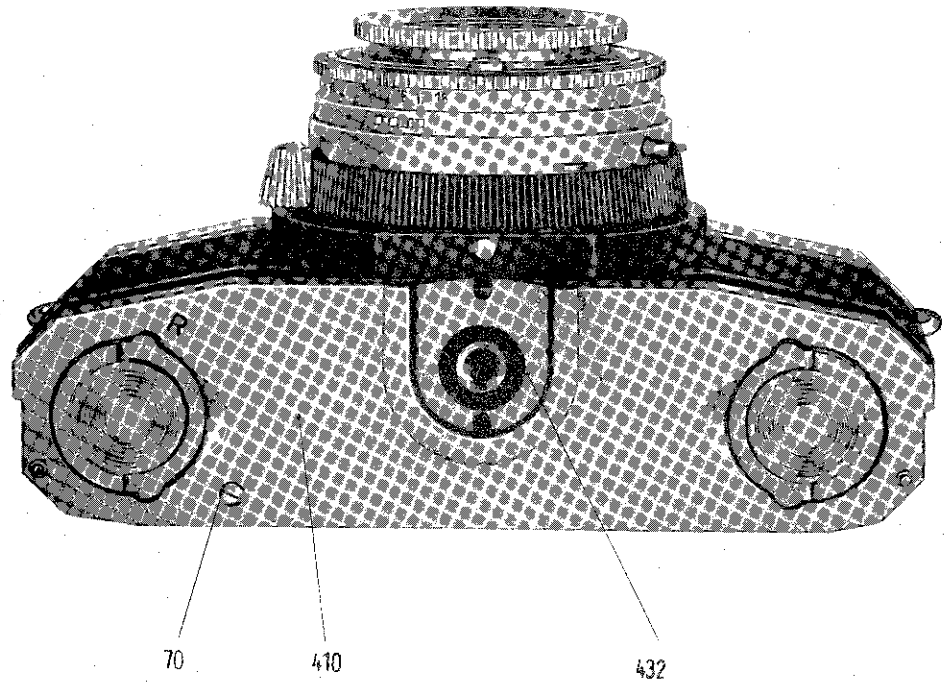

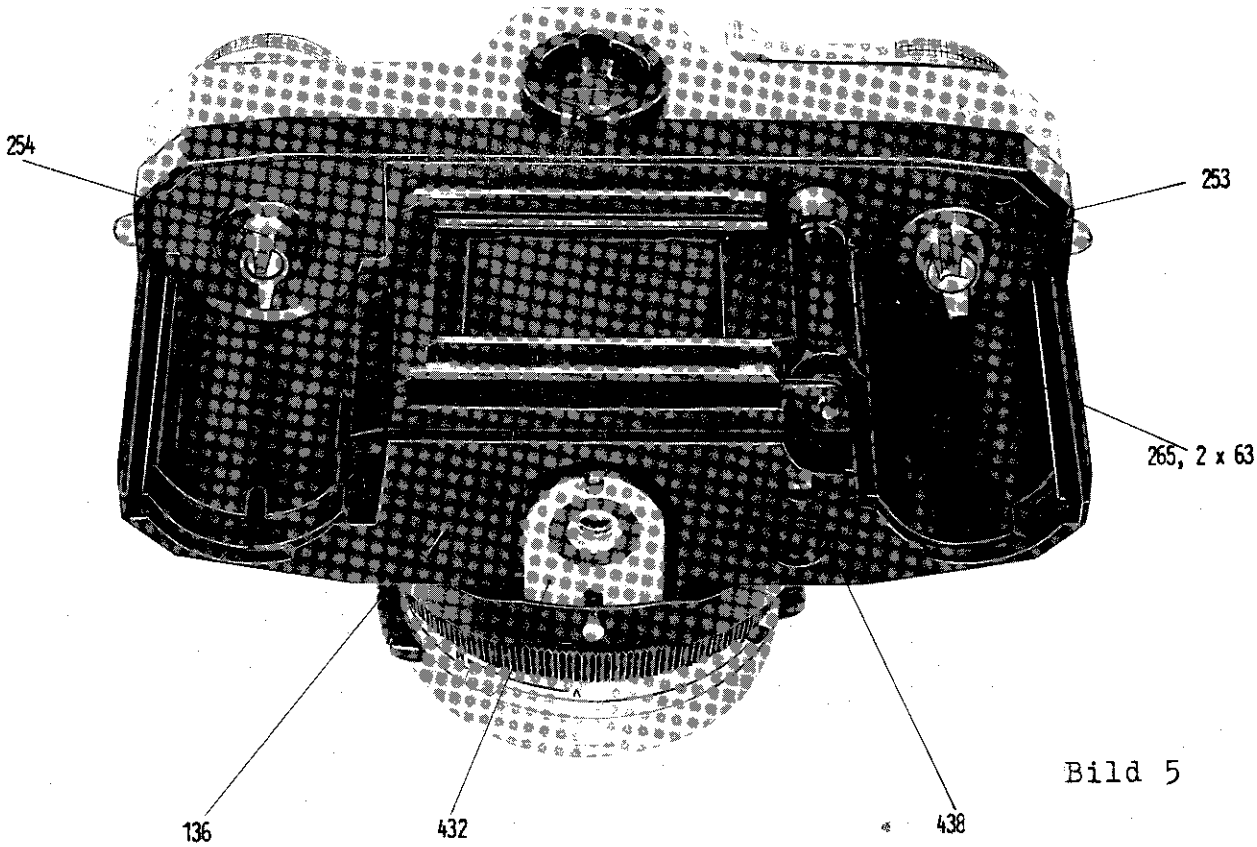

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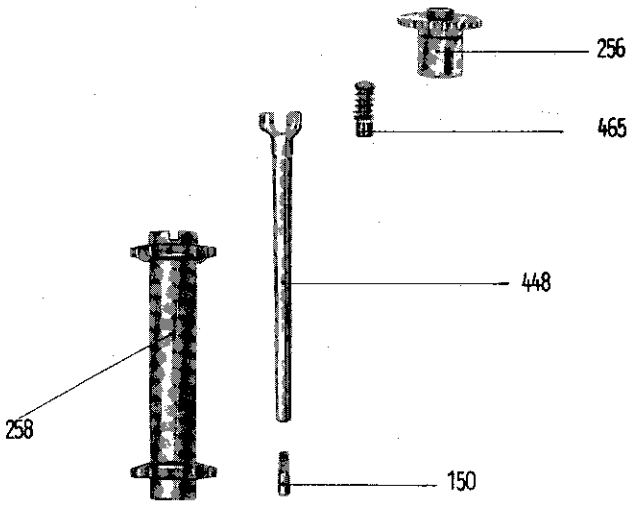

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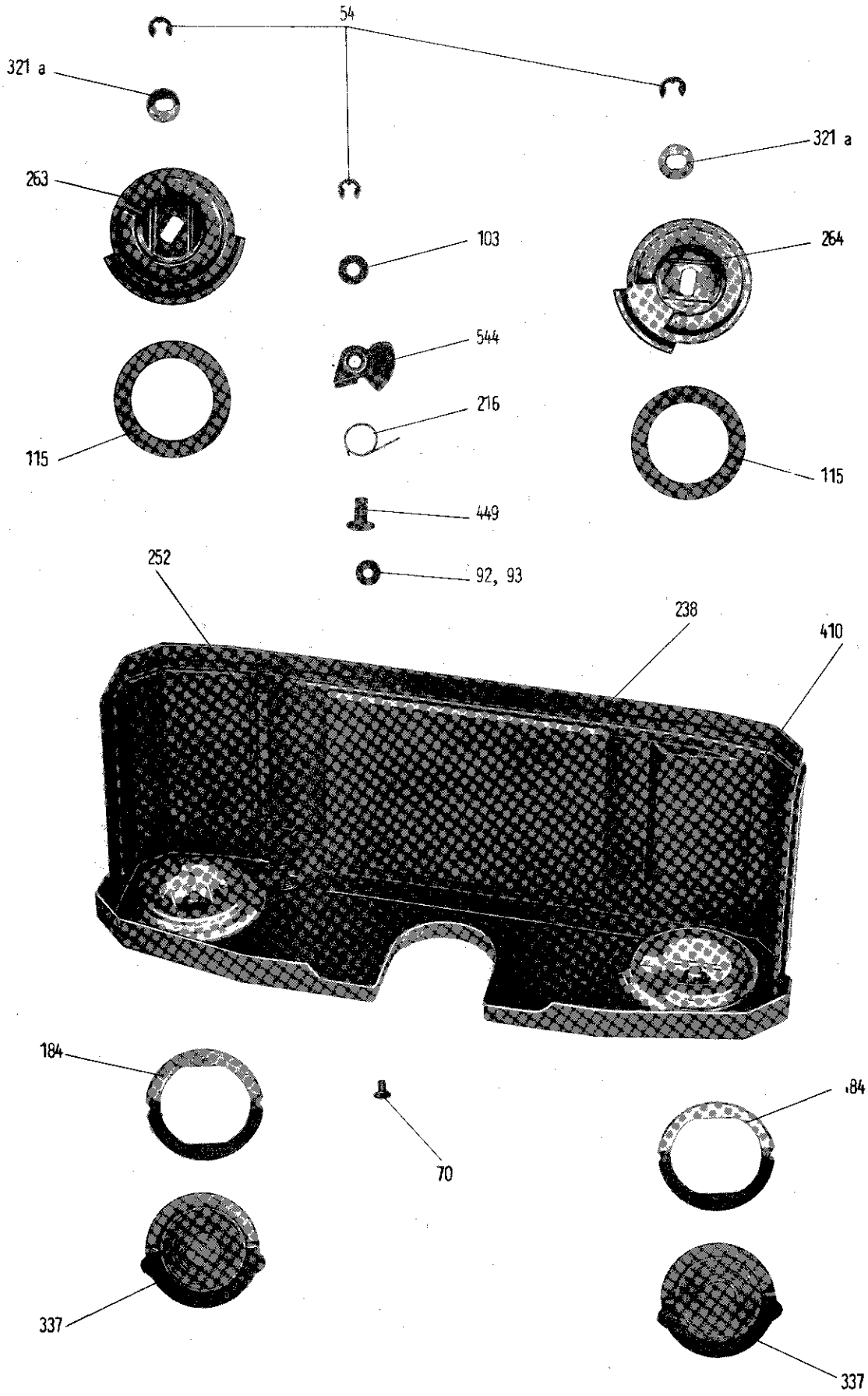
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Bild 7

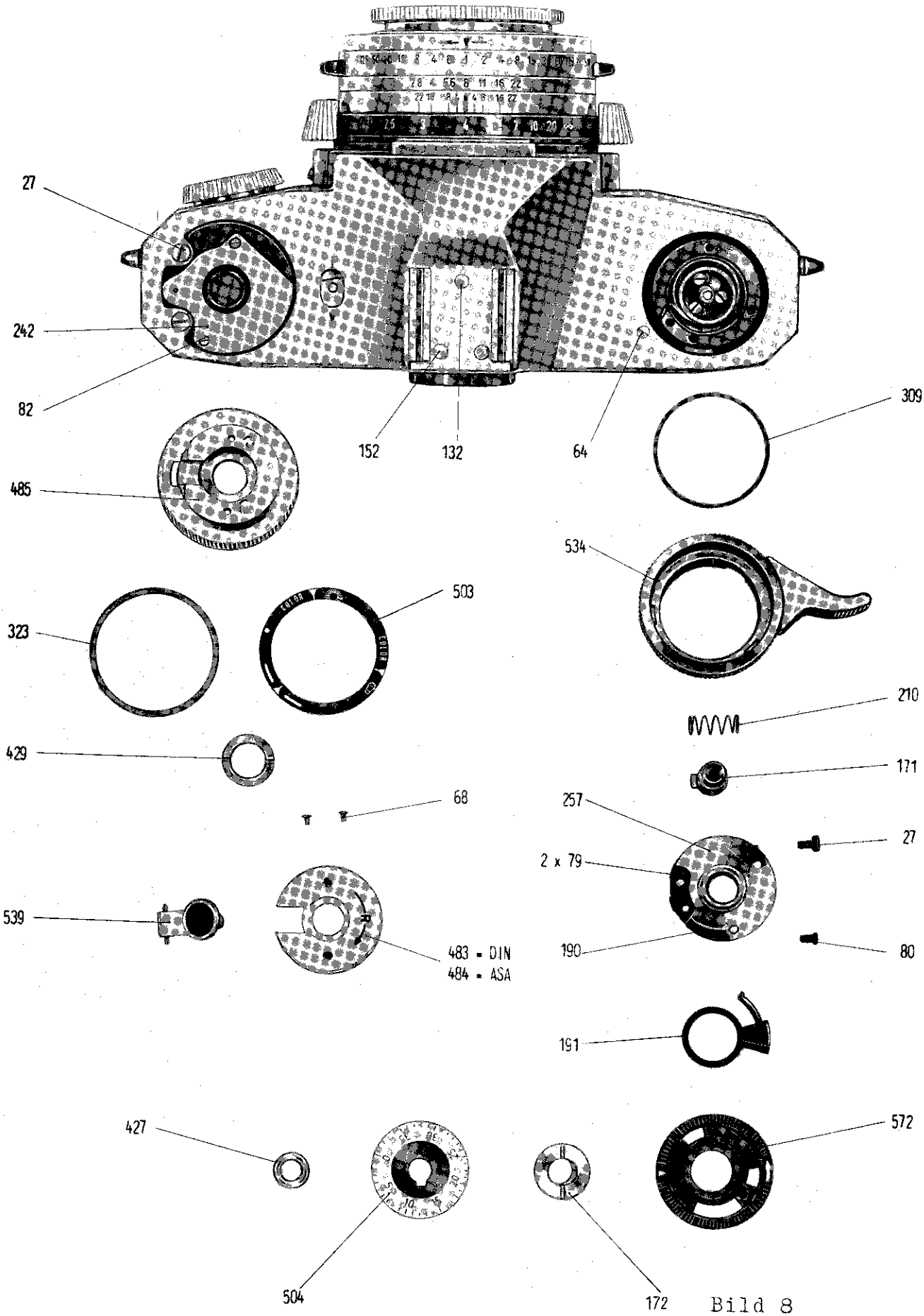
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Bild 8

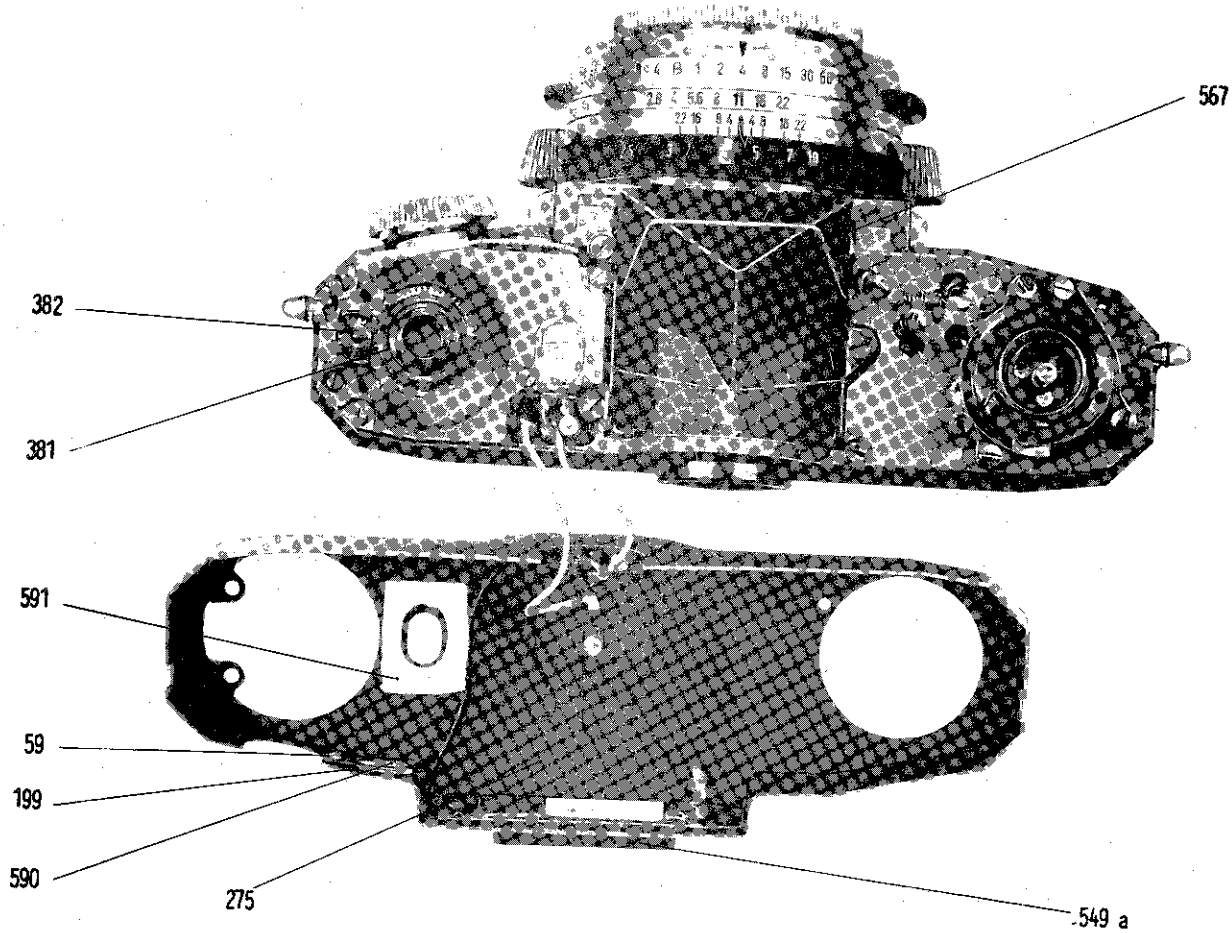


Bild 9

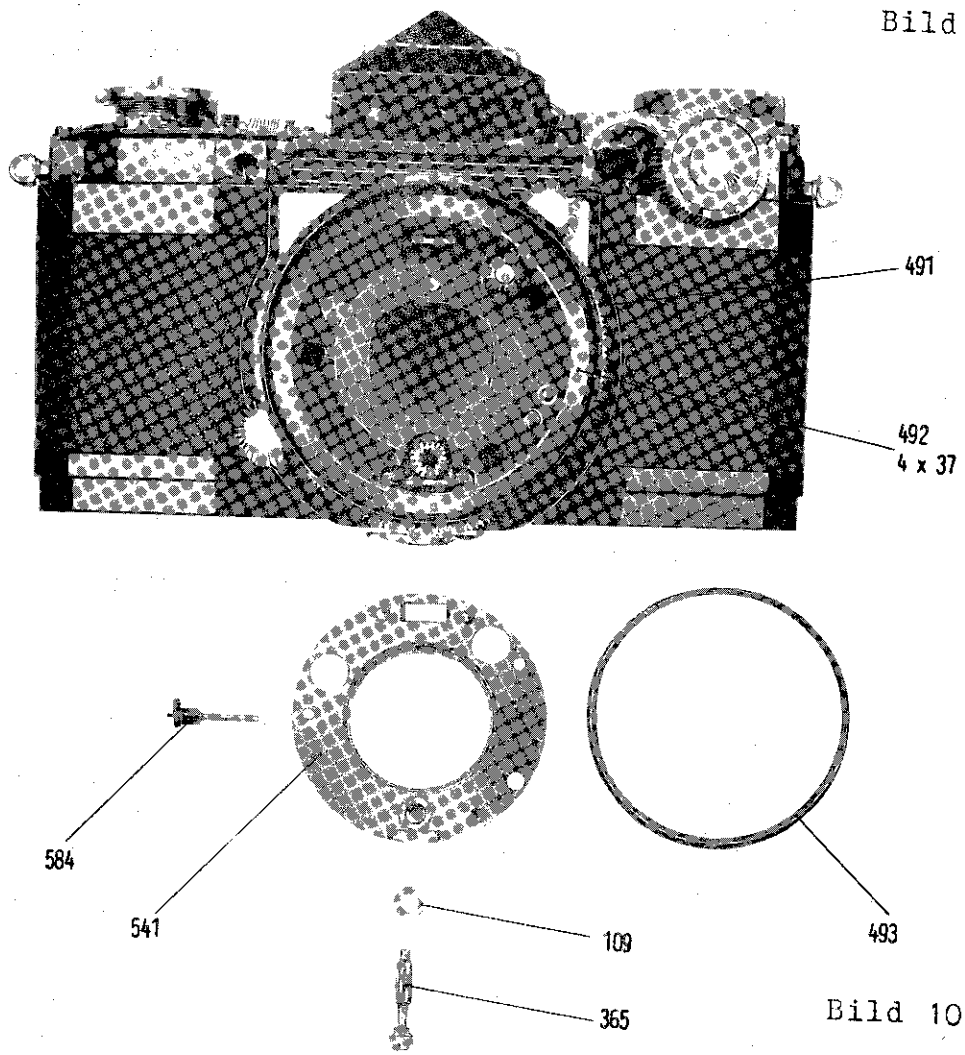
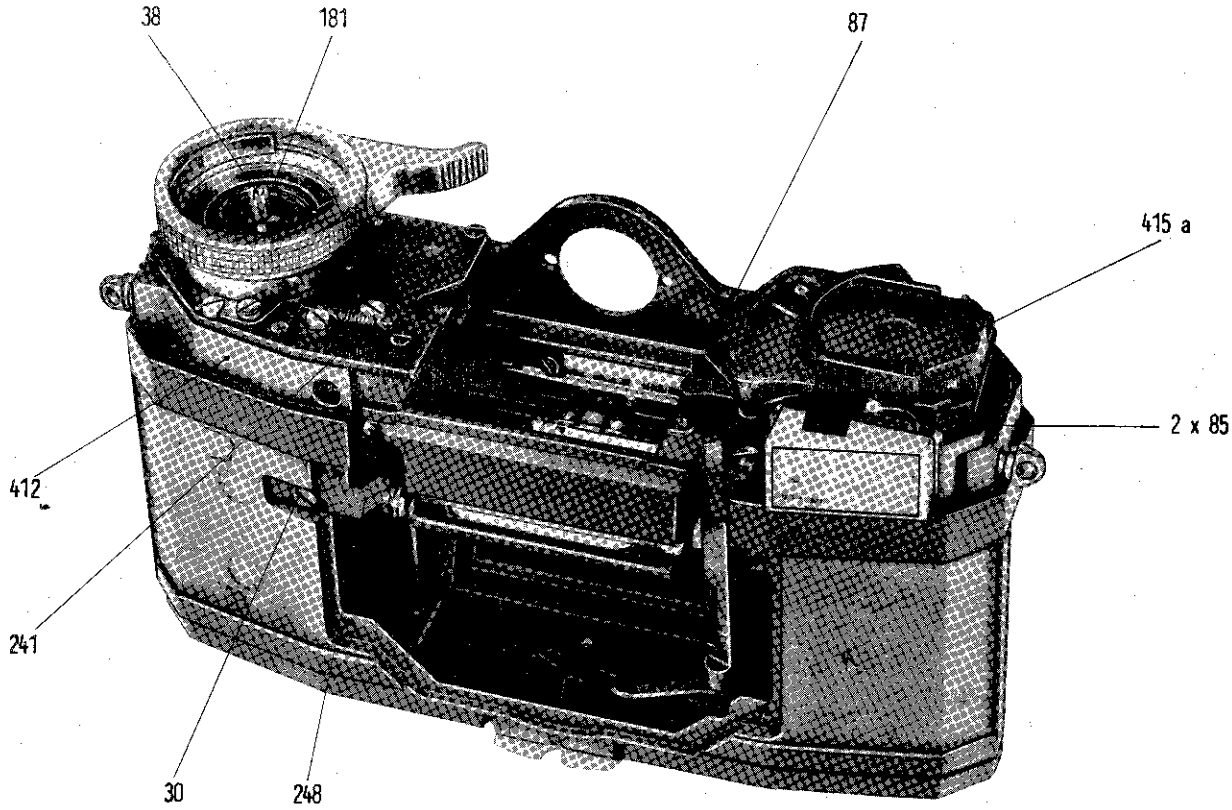


Bild 10



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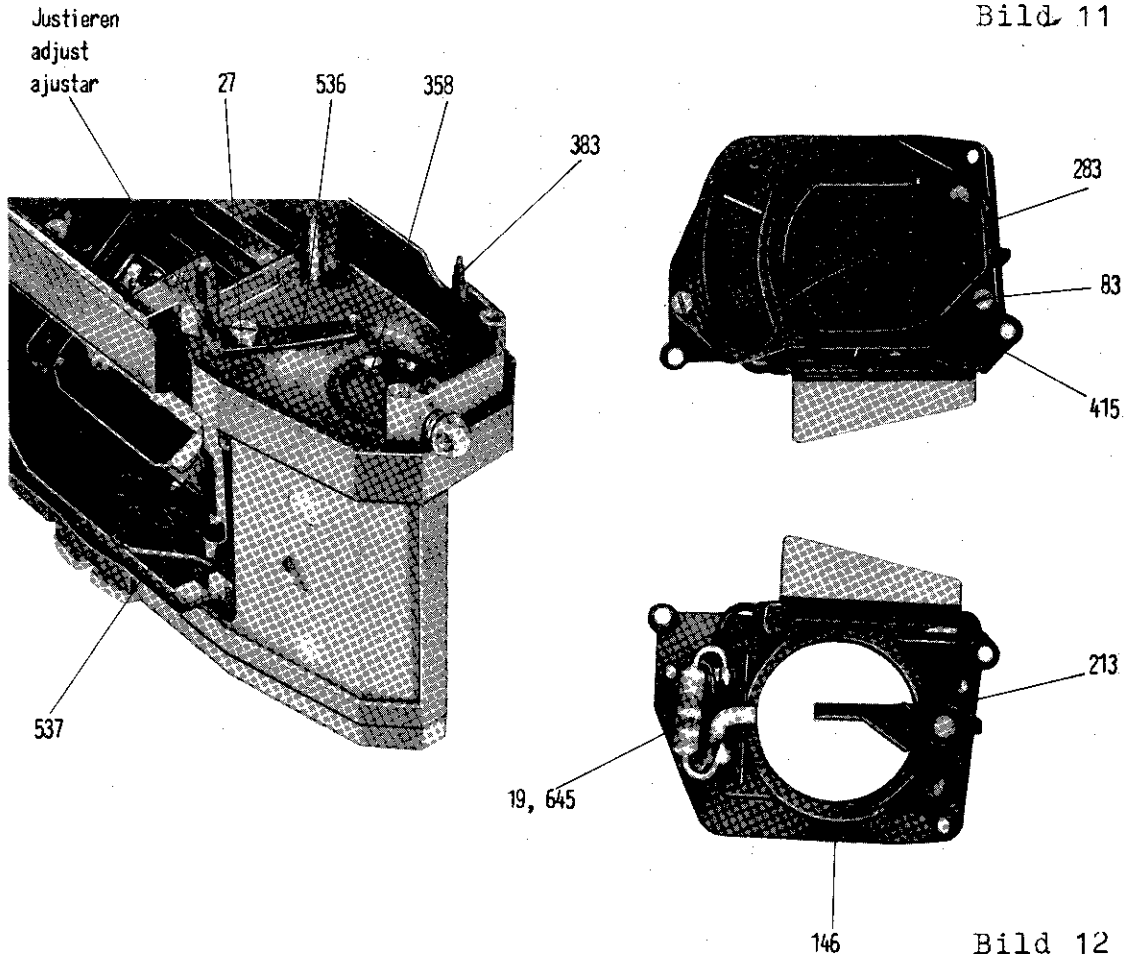

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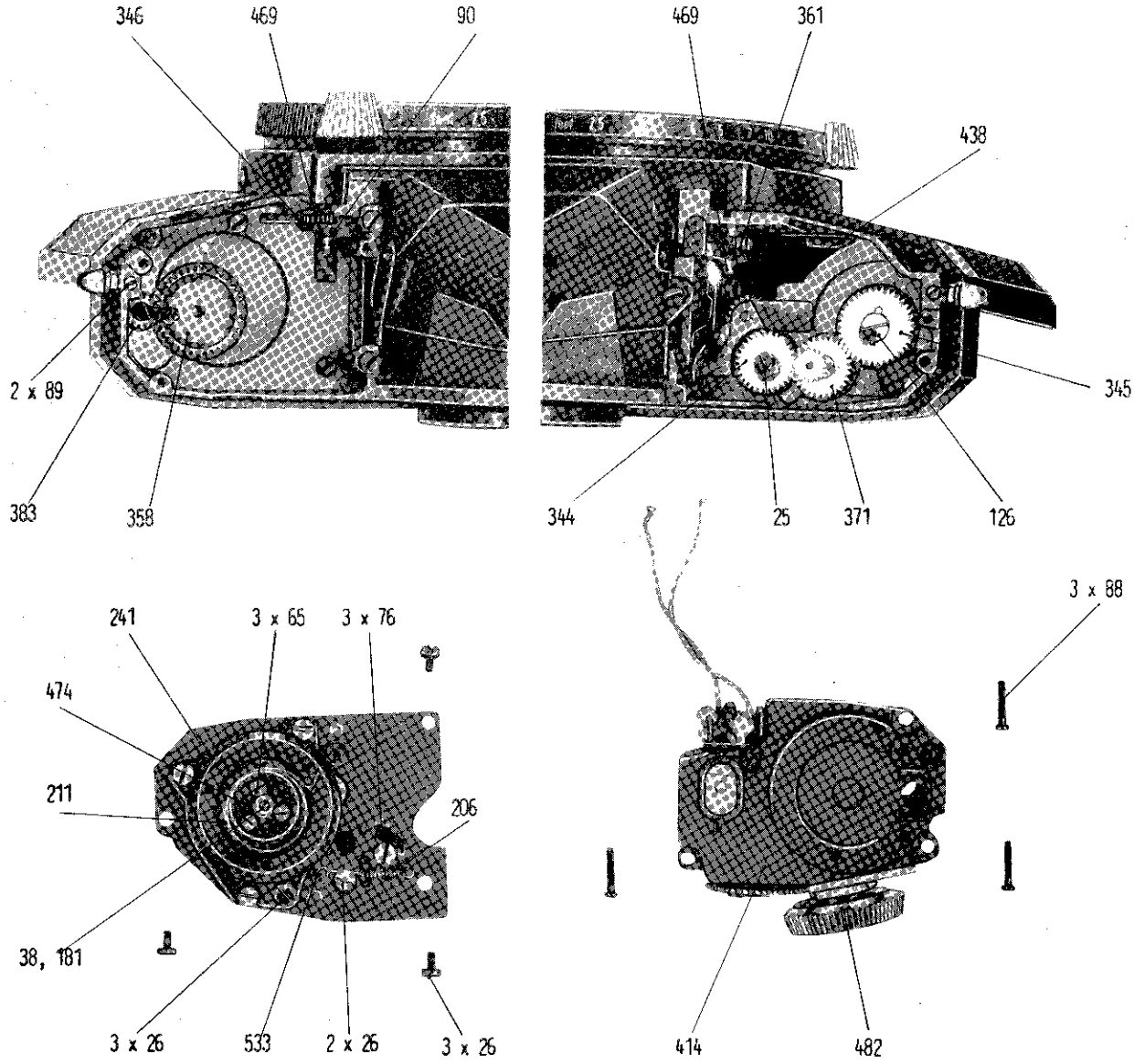

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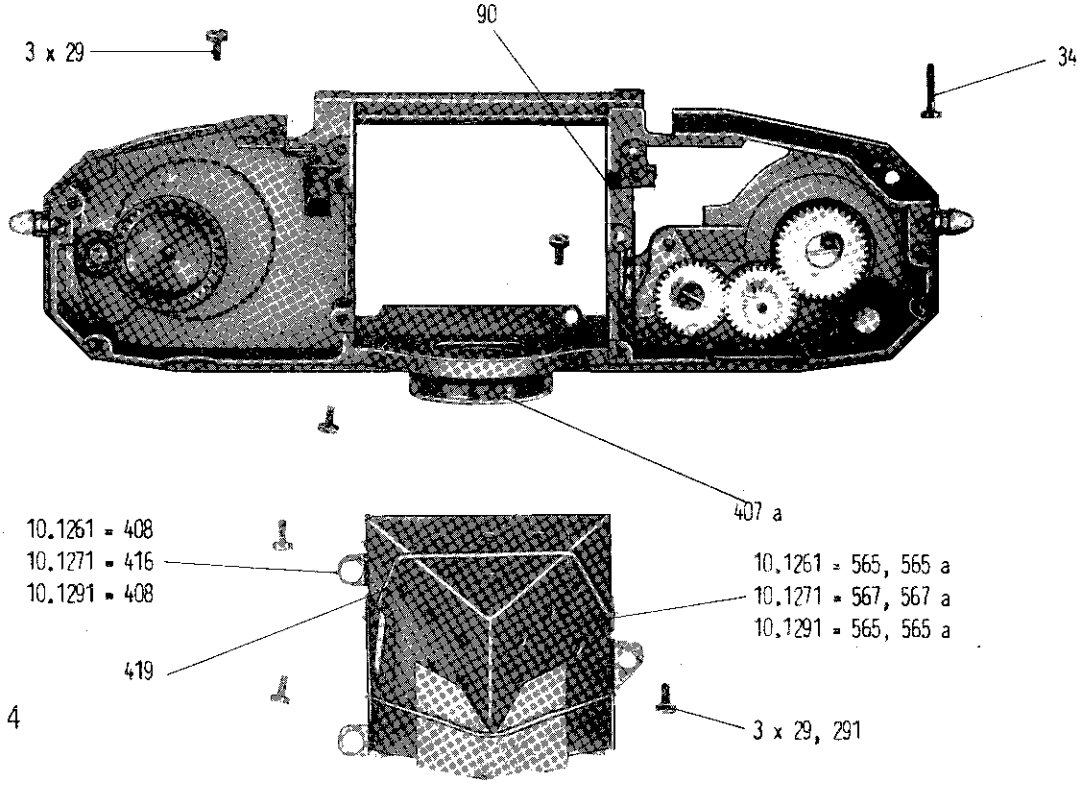

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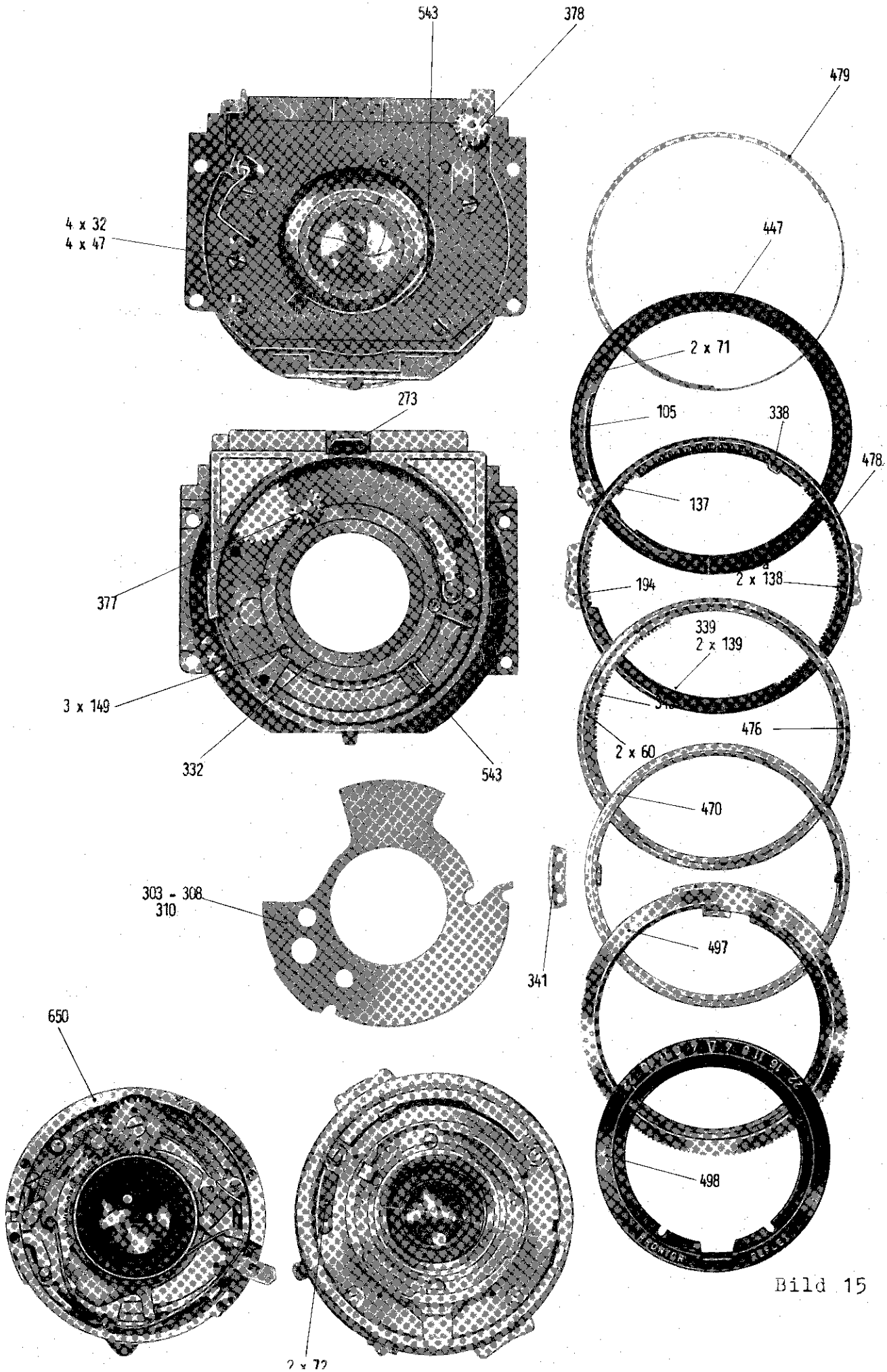
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447
2 x 71
273
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478
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377
194
2 x 138
339
2 x 139
3 x 149
476
2 x 60
332
543
470
303 - 308
310
341
497
650
498
2 x 72

Bild 15

Contaflex super Kat.Nr. 10.1271

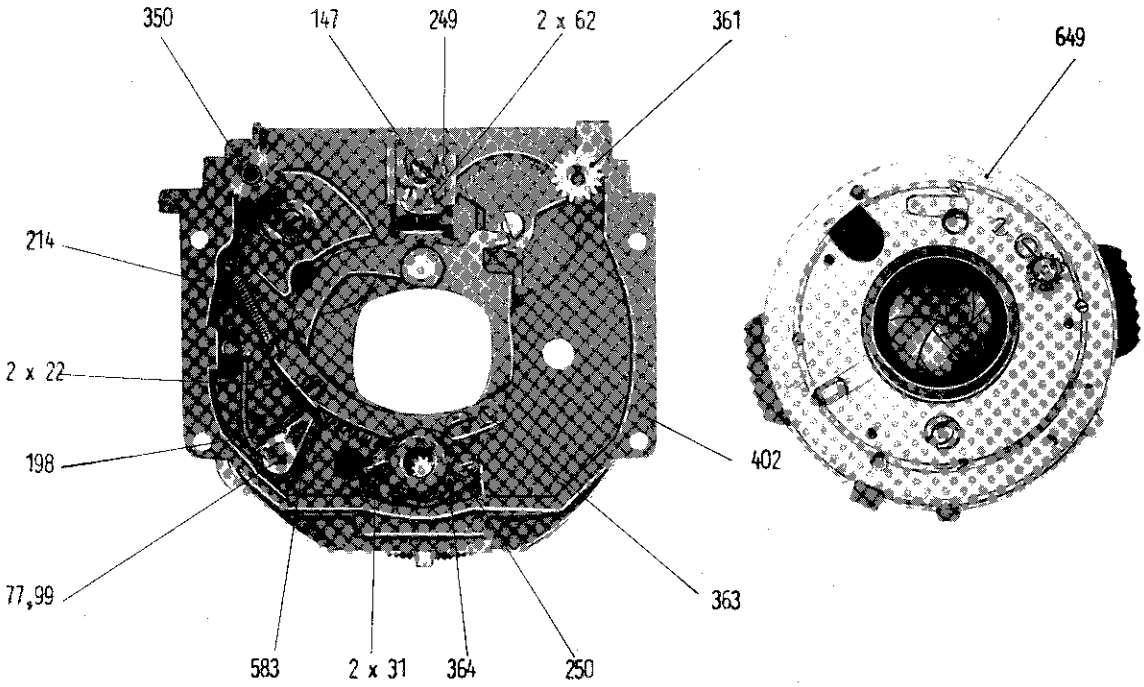
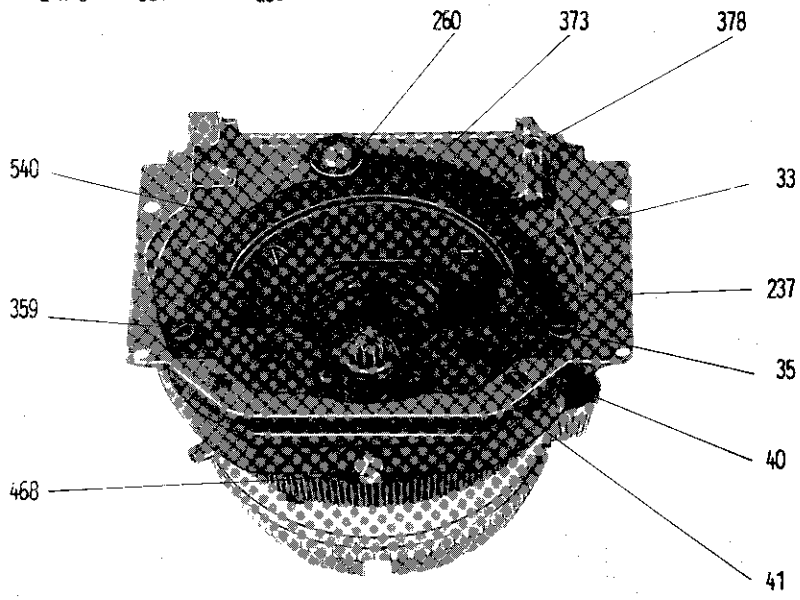
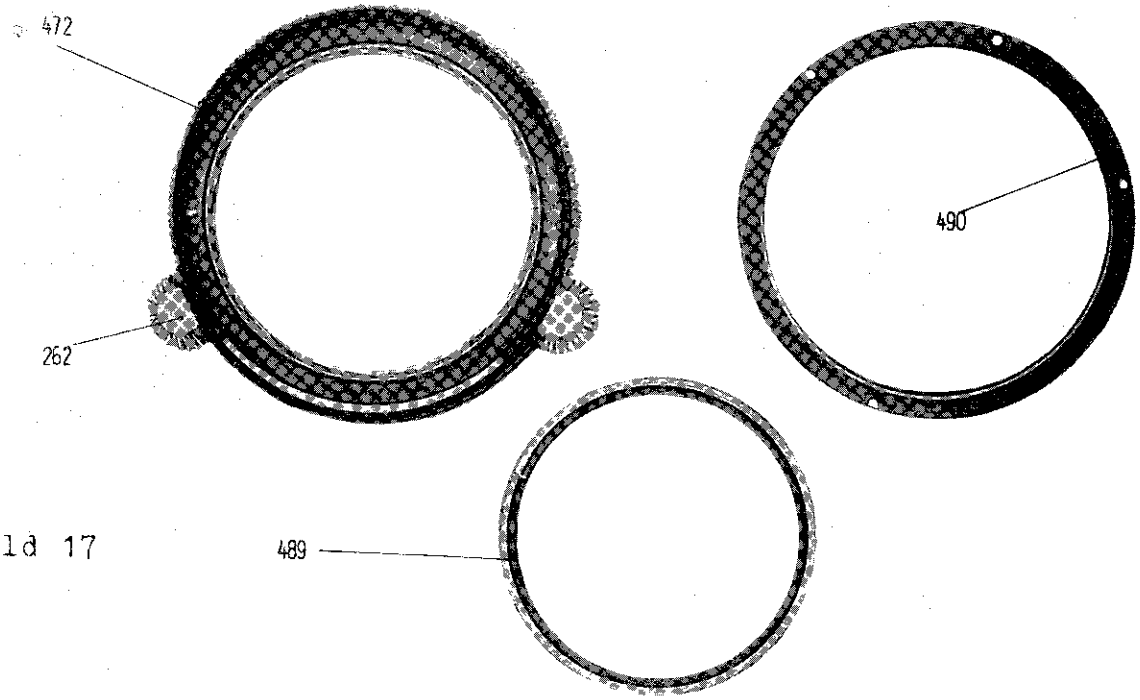


Bild 16

Contaflex rapid
Kat.Nr. 10.1261





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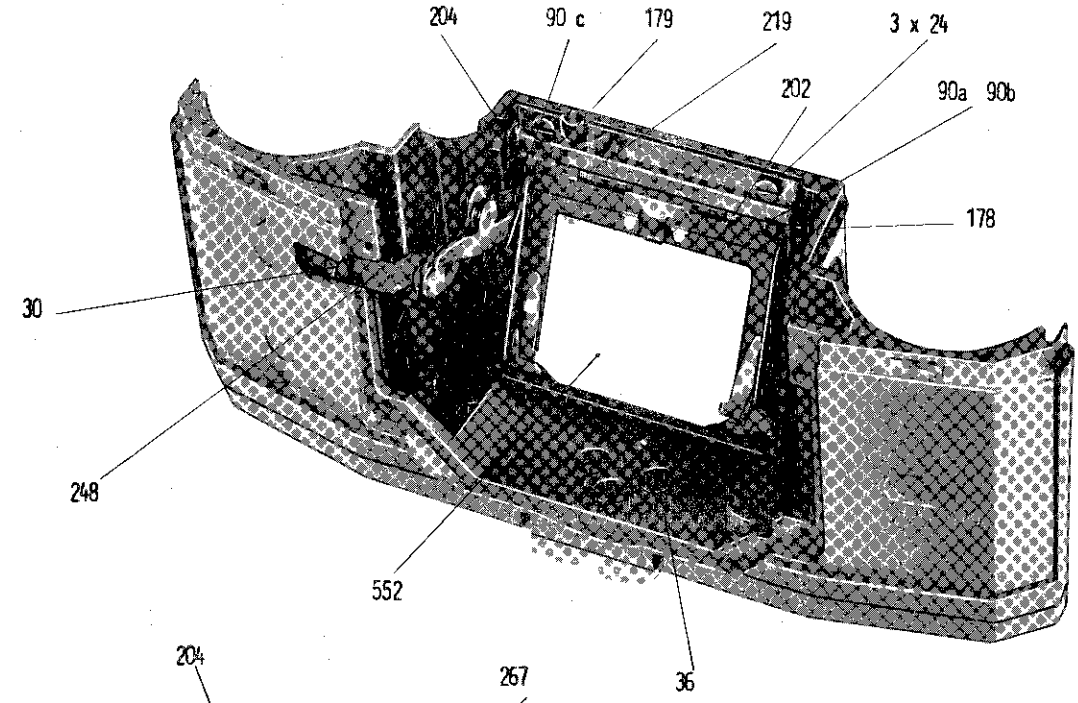
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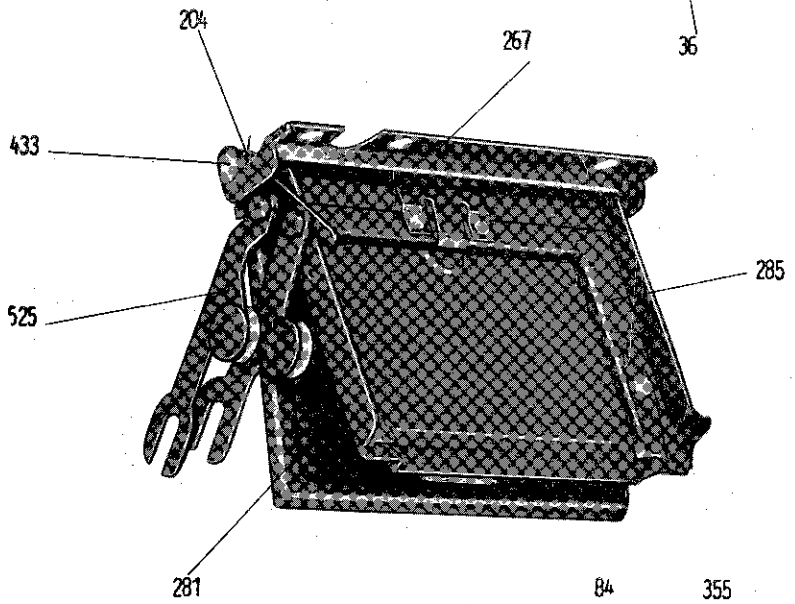
90a
90b
178
30
248
552
36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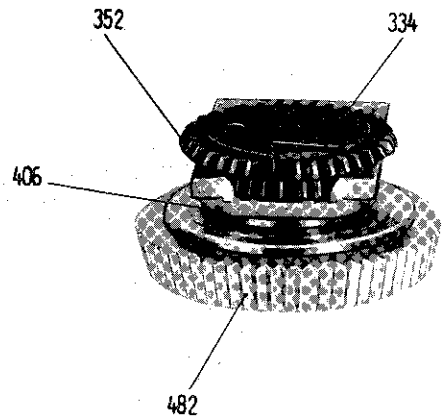
525
281

Bild 18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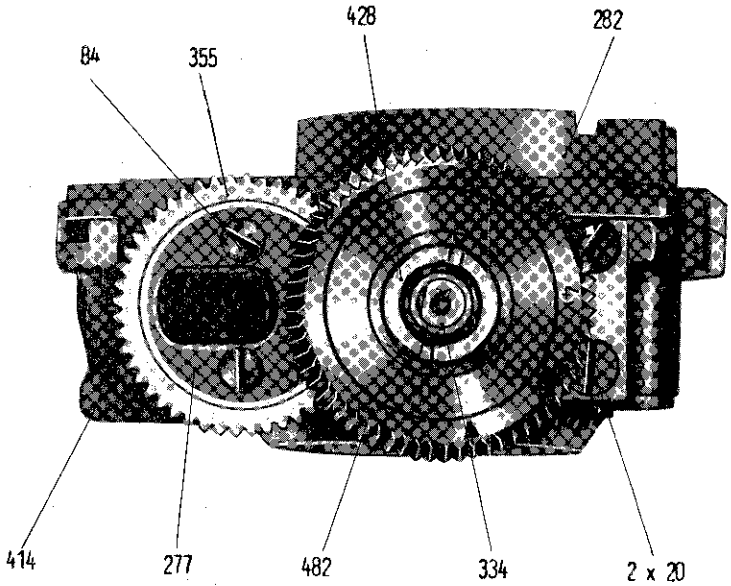
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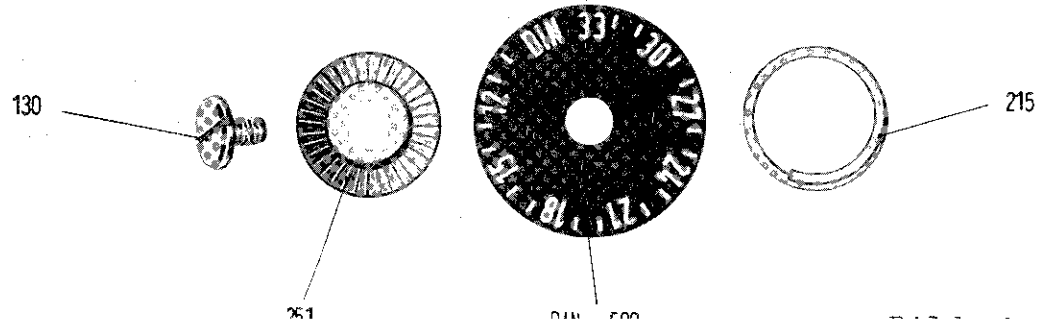
482
334
2 x 20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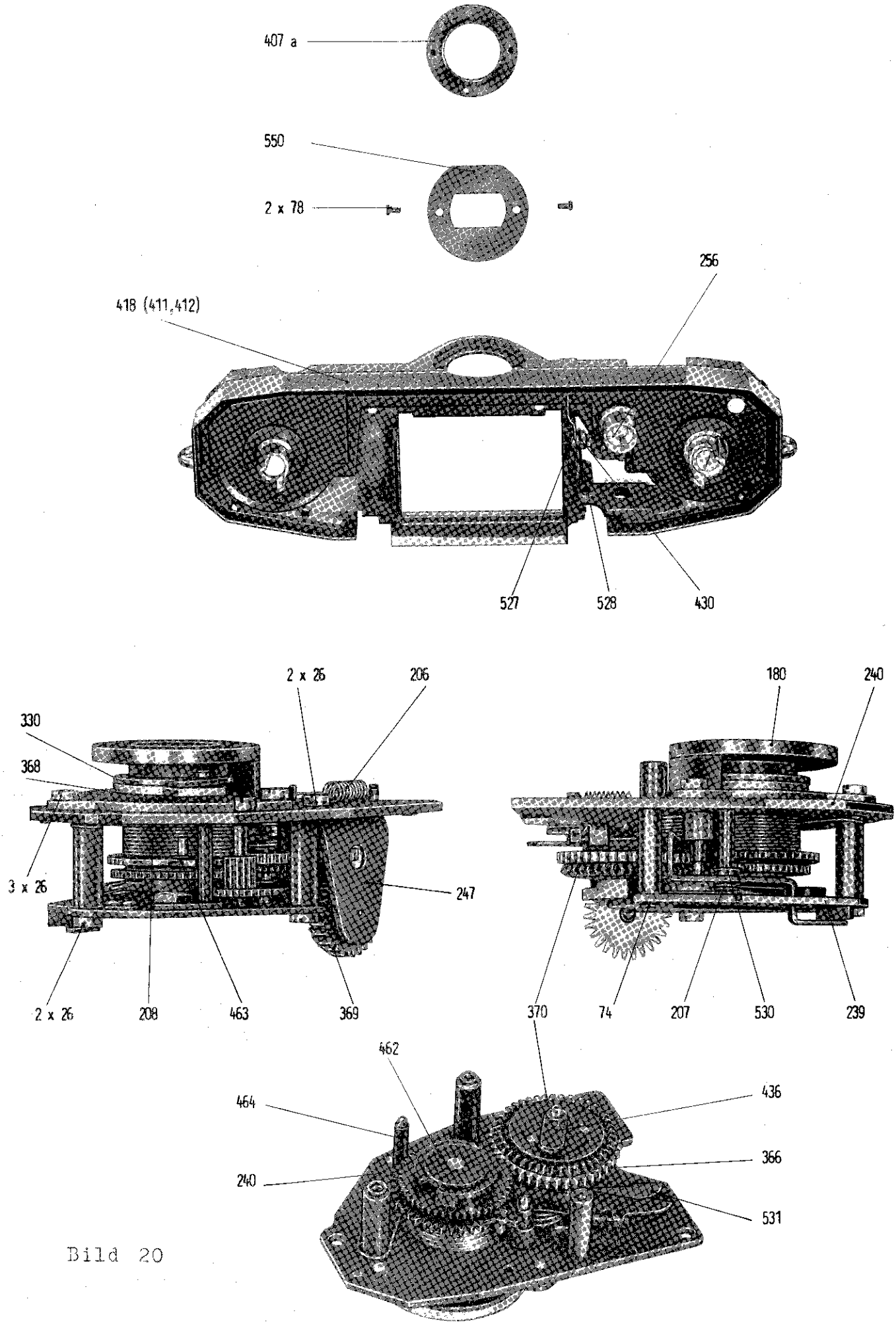
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256
418 (411,412)
527
528
430
2 x 26
206
330
368
3 x 26
247
2 x 26
208
463
369
180
240
370
74
207
530
239
462
464
436
366
240
531

Bild 20

Zeiss Ikon AG.
Stuttgart

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Published: October 1959
Edicion: Octubre 1959

Ersatzteilliste
List of Spare Parts
Lista de piezas de recambio

Contaflex rapid, Kat.Nr.10.1261 Contaflex super, Kat.Nr.10.1271 Contaflex prima, kat.Nr.10.1291

Für eine schnelle und sachgemäße Bearbeitung eines Ersatzteilauftrages benötigt unser Ersatzteillager alle Angaben aus dem starkumrandeten Teil der Ersatzteilliste.

To ensure quick and proper execution of ypur spare part order our Spar Part Department requires every information given in the strongly lined column of the List of Spare Parts.

Nuestra sección de piezas de recambio necesita para una ejectución rápida y correcta de sus encargos todos los datos de la parte fuertemente perfilado en la lista de piezas de recambio.

Lfd.Nr. No. nos.cont.	Teilnummer Number Número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	pieza 1271	1291
19	20.2402-00.028	Heißleiter Balancing resistance Resistancia de compensación	12,13	Beli-Gehäuse vollst. Exposure meter housing compl. Caja exposímetro, cpl.	-	1	1
20	M 1,7x4 DIN 63-5 S	Senkschraube Countersunk screw Tornillo embebido	19	Beli-Gehäuse vollst. Exposure meter housing compl. Caja exposímetro, cpl.	-	2	-
21	M 1,4x3 DIN 84-5 S	Zylinderschraube fillister head screw Tornillo cilíndrico		Objektivträger Lens carrier Portaobjetivo	2	-	-
22	M 1,7x2 DIN 84-5 S	Zylinderschraube fillister head screw Tornillo cilíndrico	16	Objektivträger vormont. Lens carrier premounted Portaobjetivo premont.	-	2	-
23	M 1,7x2,2 DIN 84-5 S	Zylinderschraube fillister head screw Tornillo cilíndrico		Objektivträger vormont. Lens carrier premounted Portaobjetivo premont.	-	1	-
24			18	Gehäuse vollst. Housing Caja cpl.	3	3	3
25	M 1,7x2,5 DIN 84-5 S	Zylinderschraube fillister head screw Tornillo cilíndrico	13	Getriebegehäuse mont. Housing f.mechanism mounted Caja mecanismo mont.	1	1	1
26	M 1,7x3 DIN 84-5 S	Zylinderschraube fillister head screw Tornillo cilíndrico	13,20	Getriebe vollst. mechanism Mecanismo cpl.	7	7	7

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	 1271	 pieza 1291
27	M 1,7x3 DIN 84-5 S	Zylinderschraube fillister head screw Tornillo cilíndrico	8,12	Camera kompl. Camera Cámara cpl.	8	10	9
28				Beli-Gehäuse vollst. Exposure meter housing Caja exposímetro cpl.	-	3	-
29	M 1,7x3,5 DIN 84-5 S	Zylinderschraube fillister head screw Tornillo cilíndrico	14	Camera kompl. Camera Cámara cpl.	6	6	6
30			11,18	Gehäuse vollst. Housing compl. Caja cpl.	1	1	1
31	M 1,7x4 DIN 84-5 S	Zylinderschraube fillister head screw Tornillo cilíndrico	16	Objektivträger mont. Lens carrier mounted Portaobjetivo mont.	-	4	4 n.B.
32	M 1,7x5 DIN 84-5 S	Zylinderschraube fillister head screw Tornillo cilíndrico	15	Objektivträger mont. Lens carrier mounted Portaobjetivo mont.	-	3	4 n.B.
33	M 1,7x6 DIN 84-5 S	Zylinderschraube fillister head screw Tornillo cilíndrico	17	Camera kompl. Camera Cámara cpl.	4	-	-
34	M 1,7x7,5 DIN 84-5 S	Zylinderschraube fillister head screw Tornillo cilíndrico	14	Camera kompl. Camera Cámara cpl.	1	1	1
35	M 2x4 DIN 84-5 S	Zylinderschraube fillister head screw Tornillo cilíndrico	17	Objektivträger Lens carrier Portaobjetivo	2	-	-
36	M 2,3x5 DIN 84-5 S	Zylinderschraube fillister head screw Tornillo cilíndrico	18	Gehäuse mit Stativmutter Housing with tripod nut en caja con tuerca para trípode	3	3	3
37	M 1,4x2 DIN 551-5 S	Gewindestift Threaded pin Perno roscado	10	Gewindering vormont. zu Objektivträger Threaded ring premounted for lens carrier en anillo roscado premont. para poraobjetivo	-	4	-
38	M 1,7x2,5 DIN 551-5 S	Gewindestift Threaded pin Perno roscado	11,13	Camera kompl. Camera Cámara cpl.	1	1	1
39				Getriebegehäuse mont. Housing f.mechanism mounted Caja mecanismo mont.	-	1	-
40	M 1,7x3 DIN 551-5 S	Gewindestift Threaded pin Perno roscado	17	Objektivträger Lens carrier Portaobjetivo	2	-	-

Lfd.Nr. No. nos.cont.	Teilnummer Number nÚmero	Bezeichnung Name designaciÓn	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
41	M 1,7x2,5 DIN 553-5 S	Gewindestift für Exzenter Threaded pin for eccentric tappet Perno roscado para excéntrica	17	Objektivträger Lens carrier Portaobjetivo	2	-	-
42	1,5x5 DIN 1472	Paßkerbstift Slotted set pin Clavija hendida de ajuste		Gehäuse mit Stativmutter Housing with tripod bush en caja con tuerca para tripode	1	1	1
43	M 1,4x2x1 DIN 926-5 S	Gewindestift Threaded pin Perno roscado		Objektivträger vollst. Lens carrier compl. Portaobjetivo cpl.	-	-	3
44	0,8x3,2 DIN 1473	Kerbstift in Einstellring Grooved dowel pin setting ring Clavija hendida en anillo de graduación		Objektivträger Lens carrier Portaobjetivo	1	-	-
45	2x5 DIN 1474	Steckkerbstift Grooved dowel pin Clavija hendida de enchufe		Getriebegehäuse Housing f. mechanism Caja del mecanismo	2	2	2
46	1x6,5 DIN 1475	Knebelkerbstift Slotted toggle pin Clavija hendida de muletilla		Hebel zu Camera Lever for camera en palance para cámara	1	1	1
47	A 1,8 DIN 6797	Federnde Zahnscheibe Gear disc Disco dentado elástico	15	Objektivträger mont. Lens carrier Portaobjetivo mont.	-	3	4
48	J 1,8 DIN 6797	Zahnscheibe Gear disc Disco dentado		Objektivträger mont. Lens carrier Portaobjetivo mont.	-	2	-
49	1,2x2,5 DIN 1473	Zylinderkerbstift Cylinder grooved dowel pin Clavija hendida cilíndrica		Lichtwertring zu Objektivträger Exposure value ring to lens carrier Anillo de valores-luz de portaobjetivo	-	-	1
50	0,8 DIN 6799	Sicherungsscheibe Protection disc Disco de seguridad		Camera kompl. Camera compl. Cámara cpl.	-	-	1
51	1,5 DIN 6799	Sicherungsscheibe Protection disc Disco de seguridad		Getriebe vollst. Mechanism compl. Mecanismo cpl.	2	2	2
52				Objektivträger mont. Lens carrier Portaobjetivo mont.	-	-	1
53	1,9 DIN 6799	Sicherungsscheibe Protection disc Disco de seguridad		Belichäuse vollst. Exposure meter casing Caja exposímetro cpl.	-	1	2
54			7	Rückwand vollst. Camera back compl. pared posterior cpl.	3	3	3

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
59	ZIN 503 1,5x1,2 Ms	Halbrundniet Cup head rived remache con cabeza hemisférica	9	Deckkappe Cover tapa	-	1	-
60	ZIN 511 M 1,2x1,5-5 S	Senkschraube Countersunk screw Tornillo embebido	15	Blendenring zu Objektivträger Diaphragm ring for lens carrier Anillo diafragmas de portaobjetivo	-	-	3
61	ZIN 511 M 1,4x2-5 S	Senkschraube Countersunk screw Tornillo embebido		Objektivträger vollst. Lens carrier compl. Portaobjetivo cpl.	-	-	2
62	ZIN 511 M 1,7x2,3-5 S	Senkschraube Countersunk screw Tornillo embebido	16	Objektivträger mont. Lens carrier mounted Portaobjetivo mont.	-	2	-
63	ZIN 511 M 1,7x3-5 S	Senkschraube Countersunk screw Tornillo embebido	5	Gehäuse vollst. Housing compl. Caja cpl.	2	2	2
64			8	Camera kompl. Camera compl. Cámara cpl.	1	1	1
65	ZIN 511 M 1,7x3,5-5 S	Senkschraube Countersunk screw Tornillo embebido	13	Getriebe vollst. Mechanism compl. Mecanismo cpl.	3	3	3
66	ZIN 511 M 1,7x3,7-5 S	Senkschraube Countersunk screw Tornillo embebido		Objektivträger mont. Lens carrier Portaobjetivo mont.	1	-	-
68	ZIN 513 M 1,4x2-5 S	Linsensenkschraube Lens head screw Tornillo embebido cabeza lenteja	1,2,3	Camera kompl. Camera compl. Cámara cpl.	2	2	2
70	ZIN 514 M 1,7x3,5-5 S	Linsensenkschraube Lens head screw Tornillo embebido cabeza lenteja	4,7	Rückwand kompl. Camera back compl. Pared trasera cpl.	1	1	1
71	ZIN 515 M 1,2x1,5-5 S	Zylinderschraube fillister head screw Tornillo cilíndrico	15	Filmempfindlichkeitsring Film speed ring Anillo sensibilidad película	-	-	2

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
72	ZIN 515 M 1,2x2-5 S	Zylinderschraube Cylinder screw tornillo cilíndrico	15	Objektivträger Lens holder portaobjetivo	-	-	2
73	ZIN 515 M 1,4x2-5 S	Zylinderschraube Cylinder screw tornillo cilíndrico		Objektivträger Lens holder portaobjetivo	-	-	4
74	ZIN 515 M 1,4x3-5 S	Zylinderschraube Cylinder screw tornillo cilíndrico	20	Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1
75	ZIN 515 M 1,4x7,3-Ms	Zylinderschraube Cylinder screw tornillo cilíndrico		Belichäuse vollst. Exposure meter housing compl. caja exposímetro cpl.	-	-	2
76	ZIN 515 M 1,7x2,5-5 S	Zylinderschraube Cylinder screw tornillo cilíndrico	13	Getriebe vollst. Gear, complete mecanismo cpl.	3	3	3
77			16	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
78	ZIN 515 M 1,7x2,8-5 S	Zylinderschraube Cylinder screw tornillo cilíndrico	20	Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	2	2	2
79	ZIN 515 M 1,7x3-5 S	Zylinderschraube Cylinder screw tornillo cilíndrico	8	Gewindering vormont. Threaded ring, pre-assembled anillo roscado premont.	3	3	-
80			8	Camera kompl. Camera complete Cámara cpl.	4	4	6
81				Belichäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	4	-
82	ZIN 515 M 1,7x3,5-5 S	Zylinderschraube Cylinder screw tornillo cilíndrico	8	Camera compl. Camera complete cámara cpl.	-	2	-
83			12	Belichäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	-	2
84	ZIN 515 M 1,7x4-5 S	Zylinderschraube Cylinder screw tornillo cilíndrico	19	Belichäuse vollst. Exposure meter housing,compl. caja exposímetro cpl.	-	4	-
85	ZIN 515 M 1,7x5-5 S	Zylinderschraube Cylinder screw tornillo cilíndrico	11	Camera kompl. Camera, complete cámara cpl.	-	-	2

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	 1271	 pieza 1291
86	ZIN 515 M1,7x5,5-5 S	Zylinderschraube Cylinder screw tornillo cilíndrico		Camera kompl. Camera, complete cámara cpl.	4	-	-
87	ZIN 515 M 1,7x7-5 S	Zylinderschraube Cylinder screw tornillo cilíndrico	11	Camera kompl. Camera, complete cámara cpl.	-	-	1
88	ZIN 515 M 1,7x7,5-5 S	Zylinderschraube Cylinder screw tornillo cilíndrico	13	Camera kompl. Camera, complete cámara cpl.	-	3	-
89	ZIN 515 M 1,7x8-5 S	Zylinderschraube Cylinder screw tornillo cilíndrico	13	Getriebegehäuse mont. Gear housing, complete caja mecanismo mont.	2	2	2
90	ZIN 2281 M 1,4x5-5 S	Gewindestift Grub screw perno roscado	13, 14	Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	2	1
90 a	ZIN 2351 1,2x2x0,1	Scheibe Disc disco	18	Gehäuse vollst. Housing compl. caja cpl.	1n.B.	1 n.B.	1 n.B.
90 b	ZIN 2351 1,2x2x0,2	Scheibe Disc disco	18	Gehäuse vollst. Housing compl. caja cpl.	1 n.B.	1 n.B.	1 n.B.
90 c	ZIN 2351 1,2x3,2x0,1	Scheibe Disc disco	18	Gehäuse vollst. Housing compl. caja cpl.	1	1	1
91	ZIN 2351 1,2x3,8x0,3-Ms	Scheibe Disc disco		in Bolzen zu Camera in bolt for camera en perno para cámara	1	1	1
92	ZIN 2351 1,8x5x0,1-Stb	Scheibe Disc disco	7	Rückwand compl. Back, complete pared trasera cpl.	n.B.	n.B.	n.B.
93	ZIN 2351 1,8x5x0,2-Ms	Scheibe Disc disco	7	Rückwand kompl. Back, complete pared trasera cpl.	n.B.	n.B.	n.B.
94	ZIN 2351 1,5x6x0,1-Ms	Scheibe Disc disco		Objektivträger vormont. Lens holder, pre-assembled portaobjetivo premont.	-	1 n.B.	-
95	ZIN 2351 1,8x3x0,05-Stb	Scheibe Disc disco		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	3 n.B.	-
96	ZIN 2351 1,8x3x0,2-Stb	Scheibe Disc disco		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	3 n.B.	-

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name deisgnación	Bild ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	 1271	 pieza 1291
97	ZIN 2351 1,8x4x0,2-Stb	Scheibe Disc disco		Deckkappe zu Camera Cover cap for camera tapa de la cámara	-	2	-
98				Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	n.B.	n.B.	n.B.
99	ZIN 2351 1,8x4x0,3-Hp	Scheibe Disc disco	15	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
100	ZIN 2351 1,8x4x0,6-Ms	Scheibe Disc disco		Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	n.B.	n.B.	n.B.
101	ZIN 2351 2x4x0,5-Hp	Scheibe Disc disco		Objektivträger vormont. Lens holder, pre-assembled portaobjetivo premont.	-	-	1
102	ZIN 2351 2x4,5x0,1-Stb	Scheibe Disc disco		Platine zu Belgehäuse Bedplate for exposur meter housing platina para caja exposímetro	-	1	-
103	ZIN 2351 2x5x0,2-Ms	Scheibe Disc disco	7	Camera kompl. Camera complete cámara cpl.	-	n.B.	-
104	ZIN 2351 2x5x0,4-Ms	Scheibe Disc disco		Camera kompl. Camera, complete cámara cpl.	-	n.B.	-
105	ZIN 2351 2,5x6x0,3-Stb	Scheibe Disc disco		Rückwand compl. Back, complete pared trasera cpl.	1	1	1
106	ZIN 2351 3x4,5x0,05-Stb	Scheibe Disc disco		Camera kompl. Camera, complete cámara cpl.	1 n.B.	1 n.B.	1 n.B.
107	ZIN 2351 3x4,5x0,1-Stb	Scheibe Disc disco		Camera kompl. Camera, complete cámara cpl.	1 n.B.	1 n.B.	1 n.B.
108	ZIN 2351 3,5x5,5x0,2-Stb	Scheibe Disc disco		Camera kompl. Camera, complete cámara cpl.	1 n.B.	1 n.B.	1 n.B.
109	ZIN 2351 3,8x6x0,1-Ms	Scheibe Disc disco	10	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	n.B.	-
110	ZIN 2351 3,8x5,8x0,1-Stb	Scheibe Disc disco		Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1 n.B.	1 n.B.	1 n.B.

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	 1271	 pieza 1291
111	ZIN 2351 3,8x5,8x0,2-Ms	Scheibe Disc disco		Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1 n.B.	1 n.B.	1 n.B.
112	ZIN 2351 5,5x10x0,2-Bz	Scheibe Disc disco		Lagerflansch mont. zu Beligeh. Bearing flange, assembled, for exposure meter housing brida soporte mont. para caja exposímetro	-	n.B.	-
113	ZIN 2351 8,5x13x0,2-Stb	Scheibe Disc disco		Camera kompl. Camera, complete cámara cpl.	n.B.	-	-
114	ZIN 2351 0,5x13,5x0,03-Stb	Scheibe Disc disco		Camera kompl. Camera, complete cámara cpl.	-	n.B.	n.B.
115	ZIN 2351 15,5x22x0,1-Stb	Scheibe Disc disco	7	Rückwand kompl. Back, complete pared trasera cpl.	n.B.	n.B.	n.B.
116	ZIN 2363 2,5x0,6	Greifring Grip ring anillo de sujeción		Rückwand kompl. Back, complete pared trasera cpl.	1	1	1
125	24	Linsenschraube Fillister head screw tornillo cabeza lenteja		Camera kompl. Camera, complete cámara cpl.	-	-	2
126	64	Zylinderschraube Cylinder screw tornillo cilíndrico	13	Mitnehmer mont. Catch, assembled arrastrador mont.	1	1	1
127				Getriebegehäuse mont. Gear housing, assembled caja de mecanismo mont.	1	2	2
128				Camera kompl. Camera, complete cámara cpl.	1	-	-
129	74	Schraube Screw tornillo		Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	1	1
130	184 a	Schraube Screw tornillo	19	Camera kompl. Camera, complete cámara cpl.	-	1	-
131	209	Zylinderschraube Cylinder screw tornillo cilíndrico		Bajonettflansch Bayonet flange brida bayoneta	-	-	3

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
132	721	Zylinderniet Cylinder rivet remache cilíndrico	8	Deckkappe Cover cap tapa	1	1	1
133	979	Senkniet Countersunk rivet remache embutido		Deckkappe Cover cap tapa	2	-	2
134	Ss 166 a	Zylinderschraube mit Zapfen Cylinder screw with lug tornillo cilíndrico con espiga		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	1	-	-
135	Ss 209 a	Zylinderschraube Cylinder screw tornillo cilíndrico		Gehäuse vollst. Housing, complete caja cpl.	1	1	1
136	Ss 213	Abschlußschraube Plug tornillo de cierre	5	Camera kompl. Camera, complete cámara cpl.	1	1	1
137	Ss 225	Zylinderschraube Cylinder screw tornillo cilíndrico	15	Lichtwertring Exposure value ring anillo de valores-luz	-	-	1
138	Ss 226	Senkschraube Countersunk screw tornillo embebido	15	Lichtwertring Exposure value ring anillo de valores-luz	-	-	2
139	Ss 227	Senkschraube Countersunk screw tornillo embebido	15	Lichtwertring Exposure value ring anillo de valores-luz	-	-	2
140	Ss 230	Zylinderschraube Cylinder screw tornillo cilíndrico		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
141	Ss 243	Zylinderschraube Cylinder screw tornillo cilíndrico		Belichtungsmesser-Gehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	2	-
142	Ss 246	Gewindestift mit Zapfen Grub screw with lug perno roscado con espiga		Gehäuse vollst. Housing, complete caja cpl.	1	1	1
143	Ss 297	Sechskantschraube Hexagon cap screw tornillo hexagonal		Belichtungsmesser-Gehäuse vollst. Exposure meter housing,compl. caja exposímetro cpl.	-	-	1
144	Ss 318 a	Abschlußschraube Plug tornillo de cierre		Camera kompl. Camera, complete cámara cpl.	-	-	1
145	Ss 323	Gewindestift Grub screw perno roscado		Camera kompl. Camera, complete cámara cpl.	2	2	-

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1251	1271	pieza 1291
146	Ss 523	Klemmschraube Set screw tornillo de sujeción	12	Belichäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	-	1
147	Ss 538	Zylinderschraube Cylinder screw tornillo cilíndrico	16	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
148	Ss 543	Rillenschraube Grooved screw tornillo ranurado		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
149	Ss 545	Zylinderschraube Cylinder screw tornillo cilíndrico	15	Objektivträger vollst. Lens holder, complete portaobjetivo mont.	-	-	3
150	Ss 546	Schaftschraube Shoulder stud tornillo de cuerpo	6	Camera kompl. Camera, complete cámara cpl.	1	1	1
151	Ss 547	Zylinderschraube Cylinder screw tornillo cilíndrico		Gehäuse mit M-Instrument zu Belichäuse Casing with M-instrument for exposure meter housing caja con galvanometro para caja exposímetro	-	2	-
152	Sn 257	Senkniet Countersunk rivet remache embebido	8	Deckkappe Cover cap tapa	-	2	-
170	13 116	Rändelstift Milled pin clavija estriada		Verriegelungsscheiben zu Rückwand Locking discs for back discos de cierre para pared trasera	4	4	4
171	14 089	Auslösenippel Release nipple niple de disparo	8	Camera kompl. Camera, complete cámara cpl.	1	1	1
172	14 090	Gewindenippel Threaded nipple niple roscado		Camera kompl. Camera, complete cámara cpl.	1	1	1
173	14 091 Tm	Kontaktnippel mont. Contact nipple, assembled niple de contacto mont.	2, 3	Camera kompl. Camera, complete cámara cpl.	-	1	1
174	15 464	Buchse Bushing casquillo		Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	1	1

Lfd. Nr. No. nos. cont.	Teilnummer Number número	Bezeichnung Name designación	Bild ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1251	Stück 1271	Stück pieza 1291
175	15 562	Lagerbuchse Bearing bush casquillo de cojinete		Getriebegehäuse Gear housing caja mecanismo	1	1	1
176	15 563	Lagerbuchse Bearing bush casquillo de cojinete		Getriebegehäuse Gear housing caja mecanismo	1	-	-
177	15 565	Lagerbuchse Bearing bush casquillo de cojinete		Lagerblech zu Gehäuse Bearing plate for housing soporte para caja	1	-	-
178	15 566	Lagerbuchse Bearing bush casquillo de cojinete	18	Lagerblech vollst. zu Gehäuse Bearing plate, complete, for housing soporte cpl. para caja	1	1	1
179	15 567	Distanzbuchse Bearing spacer manguito de distancia	18	Lagerblech vollst. zu Gehäuse Bearing plate, complete, for housing soporte cpl. para caja	1	1	1
180	15 571	Lagerbuchse Bearing bush casquillo de cojinete	20	Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1
181	15 574	Gewindebuchse Screw socket manguito roscado	11, 13	Camera kompl. Camera, complete cámara cpl.	1	1	1
182	15 629	Lagerbuchse Bearing bush casquillo de cojinete		Belichgehäuse Exposure meter housing caja exposímetro	-	1	-
183	15 636	Lagerbuchse Bearing bush casquillo de cojinete		Gehäuse Housing caja	1	1	1
184	22 444 a	Sattelfeder Saddle spring resorte de silla		Rückwand kompl. Back, complete pared trasera cpl.	2	2	2
185	22 563	Haltefeder Retaining spring resorte de sujeción		Spiegelklappe zu Gehäuse Mirror flap for housing espejo tapa en la caja	1	1	1
186	22 657 a	Feder in Mitnehmer Cam spring resorte en el arrastrador		Getriebegehäuse Gear housing caja mecanismo	1	-	-
187	22 670 a Tm	Feder mont. Spring, assembled resorte mont.		Objektivträger Lens holder portaobjetivo	-	-	1
188	22 702	Feder Spring resorte		Deckkappe zu Camera Cover cap for camera tapa para cámara	1	1	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	 pieza 1271	 1291
189	22 705	Feder in Platine, unten Spring in bedplate, below resorte en platina, abajo		Getriebe Gear mecanismo	1	-	-
190	22 708	Feder Spring resorte	8	Camera kompl. Camera, complete cámara cpl.	1	1	1
191	22 709	Schaltfeder Control spring resorte de mando	8	Camera kompl. Camera, complete cámara cpl.	1	1	1
192	22 744	Kontaktfeder Contact spring resorte de contacto		Objektivträger Lens holder portaobjetivo	-	-	1
193	22 747	Feder Spring resorte		Belichäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	-	1
194	22 771 a Tm	Kupplungsgriff Coupling clutch puno de acoplamiento	8, 15	Objektivträger Lens holder portaobjetivo	-	-	1
195	22 772 Tm	Rastfeder Stop spring resorte de encaje	15	Objektivträger Lens holder portaobjetivo	-	-	1
196	22 773	Kontaktfeder Contact spring resorte de contacto		Belichäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	2	-
197				Deckkappe zu Camera Cover cap for camera tapa para cámara	-	1	-
198	22 774	Kontaktfeder Contact spring resorte de contacto	16	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
199	22 776	Feder Spring resorte	9	Deckkappe zu Camera Cover cap for camera tapa para cámara	-	1	-
200	23 503 b	Druckfeder Compression spring resorte de presión		Bolzen Bolt perno	1	-	1
201	23 504 e	Druckfeder Compression spring resorte de presión		Mitnehmer mont. zu Getr.Gehäuse Catch, assembled, for gear housing arrastrador mont. para caja mecanismo	1	1	1
202	23 669	Feder Spring resorte	18	Lagerblech vollst. zu Gehäuse Bearing plate, complete, for housing soporte cpl. para caja	1	1	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designacion	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
203	23 693	Haltefeder Retaining spring resorte de sujeción	1, 2, 3	Sucherprisma vollst. Finder prism, complete prisma visor cpl.	1	1	1
204	23 822	Feder Spring resorte	18	Lagerblech vollst. zu Gehäuse Bearing plate, complete, for housing soporte cpl. para caja	1	1	1
205	23 825	Steuerfeder Control spring resorte de mando		Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1
206	23 826	Zugfeder (für Sperrhebel) Tension spring (for stop lever) resorte de tracción (para palanca de inmovilización)	13, 20	Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1
207	23 828	Feder Spring resorte	20	Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1
208	23 830	Getriebefeder Gear spring resorte del mecanismo	20	Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1
209	23 832	Feder Spring resorte		Camera kompl. Camera, complete cámara cpl.	1	-	-
210	23 833	Druckfeder (für Auslöser) Compression spring for release resorte de presión (para disparador)	8	Camera kompl. Camera, complete cámara cpl.	1	1	1
211	23 834	Feder (für Spannhebel) Spring (for tensioning lever) resorte (para palanca tensora)	13	Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1
212	23 871	Feder Spring resorte		Gehäuse mit K-Instrument zu Beligehäuse Housing with K-instrument for exposure meter housing caja con instrum. K para caja exposímetro	-	2	-
213	23 876	Feder Spring resorte	12	Beligehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	-	1
214	23 879	Zugfeder Tension spring resorte de tracción	16	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
215	23 880	Druckfeder Compression spring resorte de presión	19	Camera kompl. Camera, complete cámara cpl.	-	1	-

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
216	23 881	Feder Spring resorte	7	Rückwand kompl. Back, complete pared trasera cpl.	1	1	1
217	23 886 a	Feder Spring resorte		Sucherprisma vollst. Finder prism, complete prisma visor cpl.	1	1	1
218	23 887	Feder Spring resorte		Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	-	1	1
219	23 896	Feder Spring resorte	18	Lagerblech vollst. zu Gehäuse Gearing plate, complete, for housing soporte cpl. para caja	1	1	1
220	24 185	Klinke Pawl trinquete		Mitnehmer zu Gehäuse Catch for housing Arrastrador para caja	1	-	1
231	25 392	Deckplättchen, rechts Cover slide, right plaquita derecha	1	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	1	-	-
232	25 393	Deckplättchen, links Cover slide, left plaquita izquierda	1	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	1	-	-
233	25 423	Deckplättchen, rechts Cover slide, right plaquita derecha		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	-	1
234	25 424	Deckplättchen, links Cover slide, left plaquita izquierda		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	-	1
235	25 434	Deckplättchen, rechts Cover slide, right plaquita derecha	2	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
236	25 435	Deckplättchen, links Cover slide, left plaquita izquierda	2	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
237	26 392 a	Lagerplatte Bearing plate placa soporte	17	Objektivträger Lens holder portaobjetivo	1	-	-
238	26 402 T	Andruckplatte vormont. Pressure plate, pre-assembled placa de presión premont.	7	Camera Camera cámara	1	1	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
239	26 408 a Tm	Platine mit Feder Bedplate with spring platine con resorte	20	Getriebe Gear mecanismo	1	1	1
240	26 409 T	Obere Platine Upper bedplate platina superior	20	Getriebe Gear mecanismo	1	1	1
241	26 409 M	Getriebe vollst. Gear, complete mecanismo cpl.	11, 13	Camera Camera cámara	1	1	1
242	26 433	Lagerplatte Bearing plate placa soporte	8	Camera kompl. Camera, complete cámara cpl.	-	1	1
243	26 434	Führungsplatte Guide plate placa guía		Spannplatte zu Objektivträger Clamping plate for lens holder placa tensora para portaobj.	-	1	-
244	26 435 T	Platine vollst. Bedplate, complete platina cpl.		Belichtungsmessergehäuse Exposure meter housing caja exposímetro	-	1	-
245	29 324	Winkel Angle escuadra		Sucherprisma vollst.zu Sucher Finder prism, complete, for viewfinder prisma visor cpl.para visor	1	1	1
246	29 325	Winkel Angle escuadra		Sucherprisma vollst.zu Sucher Finder prism, complete, for viewfinder prisma visor cpl.para visor	1	1	1
247	29 341 Tm	Lagerwinkel mont. Bearing angle escuadra soporte mont.	20	Getriebe Gear mecanismo	1	1	1
248	29 345 Tm	Winkel mit Niet Angle with rivet escuadra con remache	11, 18	Gehäuse Housing caja	1	1	1
249	29 352	Führungswinkel Guide angle escuadra guía		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
250	29 353	Führungswinkel Guide angle escuadra guía	16	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
251	30 389	Einstellknopf Setting knob botón de graduación	19	Camera kompl. Camera, complete cámara cpl.	-	1	-
252	33 313	Gleitrolle Slide roller rodillo deslizante	7	Rückwand mit Boden Back with base pared trasera con fondo	1	1	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	pieza 1271	1291
253	33 314 T	Mitnehmer mit Feder Catch with spring Arrastrador con resorte	5	Getriebegehäuse Gear housing caja del mecanismo	1	1	1
254	33 336 a	Mitnehmer Catch oder carrier arrastrador	5	Getriebegehäuse mont. Gear Housing, assembled caja mecanismo mont.	1	1	1
255	33 338	Flansch Flange brida		Mitnehmer mont. zu Getriebe-gehäuse Catch, assembled. for gear housing arrastrador mont. para caja mecanismo	1	1	1
256	33 339	Mitnehmer Catch arrastrador	6, 20	Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	1	1
257	33 341	Lagerflansch Bearing flange brida de soporte	8	Camera kompl. Camera, complete cámaras cpl.	1	1	1
258	33 389	Filmtrommel Film drum tambor de película	6	Camera kompl. Camera, complete cámara cpl.	1	1	1
259	33 390	Rolle Roller rodillo		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	2	-	-
260	33 391	Rolle Roller rodillo	17	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	1	-	-
261	33 404	Gewindeteller Threaded plate plato de rosca		Camera kompl. Camera, complete cámara cpl.	1	-	-
262	33 408	Griff Handle empunadura	17	Gewindering vormont. zu Objektivträger Threaded ring, pre-assembled for lens holder anillo roscado para portaobjetivo	2	2	-
263	34 726	Verriegelungsblech Locking plate chapa de enclavamiento	7	Rückwand kompl. Back, complete pared trasera cpl.	1	1	1
264	34 727	Verriegelungsblech Locking plate chapa de enclavamiento	7	Rückwand kompl. Back, complete pared trasera cpl.	1	1	1
265	34 728	Filmleitblech Film guide plate chapa guía de película	5	Gehäuse vollst. Housing, complete caja cpl.	1	1	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
266	34 734	Einstellblech Adjusting plate chapa de ajuste		Belichäuse vollst. Exposure meter housing,compl. caja exposímetro cpl.	-	-	1
267	34 736 Tm	Lagerblech mit Lagerbuchse Bearing plate with bearing bush chapa soporte con casquillo soporte	18	Lagerblech vollst. Bearing plate, complete chapa soporte cpl.	1	1	1
268	34 736 T/1	Lagerblech vollst. Bearing plate, complete chapa soporte cpl.		Gehäuse Housing caja	1	1	1
269	34 738	Stützblech in Platine, unten Supporting plate in bedplate, below chapa de apoyo en platina, abajo		Getriebe Gear mecanismo	1	1	1
270	34 773	Halteblech (Einlage) Retaining plate (insert) chapa de sujeción (suplemento)		Rückwand Back pared trasera	1	1	1
271	34 774	Mitnehmer Catch arrastrador		Kurve zu Objektivträger Curve for lens holder leva para portaobjetivo	-	-	1
272	34 776	Lötfahne Soldering tag chapita soldada		Belichäuse vollst. Exposure meter housing,compl. caja exposímetro cpl.	-	-	1
273	34 777	Indexträger Index support portaíndice	15	Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	1
274	34 780	Winkel Angle escuadra		Sucher Viewfinder visor	1	1	1
275	34 783	Halteblech in Deckkappe Supporting plate in cover cap chapa de sujeción en tapa	9	Camera Camera cámara	-	1	-
276	34 793	Lötöse Soldering tag ojo soldado		Kontaktplatte Contact plate placa de contacto	-	-	1
277	34 794	Blende Diaphragm Diafragma	19	Belichäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	1	-
278	38 459 a Tm	Boden mont. Base, assembled fondo mont.		Rückwand Back pared trasera	1	1	1
279	38 461 T	Deckkappe Cover cap tapa	1	Camera Camera cámara	1	-	-

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	Stück Piece 1271	Stück pieza 1291
280	38 464 Tm	Spiegelklappe vormont. Mirror flap, pre-assembled tapa espejo premont.		Gehäuse Housing caja	1	-	-
281	38 465 Tm	Lichtklappe vollst. Capping flap or plate tapa de luz cpl.	18	Gehäuse Housing caja	1	1	1
282	38 483	Beli-Deckel Exposure meter, lid tapa exposímetro	19		-	1	-
283	38 484	Beli-Deckel Exposure meter, lid tapa exposímetro	12		-	-	1
284	38 486 T	Deckkappe Cover cap tapa	3	Camera Camera cámara	-	-	1
285	38 487 T	Spiegelklappe vollst. Mirror flap, complete tapa espejo cpl.	18	Gehäuse Housing caja	-	1	1
286	38 488 T	Deckkappe Cover cap tapa	2	Camera Camera cámara	-	1	-
287	39 067	Scheibe Disc disco		Camera kompl. Camera, complete cámara cpl.	n.B.	n.B.	n.B.
288	39 068	Scheibe in Winkel Disc in angle disco en escuadra		Gehäuse Housing caja	1	1	1
289	39 077	Unterlagscheibe Washer arandela		Camera kompl. Camera, complete cámara cpl.	n.B.	n.B.	n.B.
290	39 126	Unterlagscheibe Washer arandelas		Beligehäuse vollst. Exposure meter housing,compl. caja exposímetro cpl.	-	-	2
291	39 220	Scheibe Disc disco	14	Camera kompl. Camera, complete cámara cpl.	n.B.	n.B.	n.B.
292	39 288	Scheibe Disc disco		Camera kompl. Camera, complete cámara cpl.	n.B.	n.B.	n.B.
293	39 289	Scheibe Disc disco		Camera kompl. Camera, complete cámara cpl.	n.B.	n.B.	n.B.

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
294	39 293	Unterlegscheibe in Mitnehmer mont. Supporting disc,assembled in catch arandela en arrastrador mont.		Getriebegehäuse Gear housing caja mecanismo	1	1	1
295	39 423	Scheibe Disc disco		Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	1	1
296	39 463	Scheibe in Bolzen Disc in bolt disco en perno		Camera Camera cámara	1	1	1
297	39 464	Scheibe in Gabelhebel kurz Disc in forked lever, short disco en palanca ahorquillade corta		Gehäuse Housing caja	1	1	1
298		in Lichtklappe in capping plate en tapa de luz		Gehäuse Housing caja	1	1	1
299	39 592	Scheibe Disc disco		Camera kompl. Camera, complete cámara cpl.	1 n.B.	-	-
300	39 593	Scheibe Disc disco		Camera kompl. Camera, complete cámara cpl.	1 n.B.	-	-
301	39 600	Scheibe Disc disco		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	3	-	-
302	39 647	Scheibe Disc disco		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	3 n.B.	-	-
303	39 664	Beilagscheibe Shim plate disco suplemento	15	Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	2 n.B.
304	39 665	Beilagscheibe Shim plate disco suplemento	15	Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	1 n.B.
305	39 666	Beilagscheibe Shim plate disco suplemento	15	Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	1 n.B.
306	39 667	Beilagscheibe Shim plate disco suplemento	15	Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	1 n.B.
307	39 668	Beilagscheibe Shim plate disco suplemento	15	Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	1 n.B.

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
308	39 669	Beilagscheibe Shim plate disco suplemento	15	Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	1 n.B.
309	39 675	Scheibe Disc disco	8	Camera kompl. Camera, complete cámara cpl.	1 n.B.	1 n.B.	1 n.B.
310	39 678	Beilagscheibe Shim plate disco suplemento	15	Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	1
321	40 087	Abdeckscheibe Cover plate disco tapa		Belichtungsmesser-Gehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	-	1
321 a	41 126	Federscheibe Spring disc disco resorte	7	Rückwand Camera back pared trasera	2	2	2
322	41 129	Federscheibe Spring plate disco elástico		Camera kompl. Camera, complete cámara cpl.	-	-	1
323	41 131	Federscheibe in Rückspulknopf Spring plate in rewind knob disco elástico en botón de rebobinado	8	Camera Camera cámara	1	1	1
324	41 134	Federscheibe Spring plate disco elástico		Camera kompl. Camera, complete cámara cpl.	1	1	1
325	41 133	Federscheibe in Spannplatte mont. Spring plate assembled in clamping plate disco elástico en placa tensora mont.		Objektivträger Lens holder portaobjetivo	-	1	-
326	42 139	Scheibe in Mitnehmer mont. Disc assembled in catch disco en arrastrado mont.		Getriebegehäuse Gear housing caja mecanismo	1	1	1
327	42 242	Bajonettring Bayonet ring anillo bayoneta		Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	1
328	42 244	Mitnehmerscheibe in Triebachse Carrier plate in driving spindle disco arrastrador en eje de impulsión		Camera Camera cámara	1	-	-
329	42 268	Abdrückteller Trigger plate plato disparador		Abdrückbolzen zu Getriebe Trigger bolt for gear perno disparador para mecanismo	1	-	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
330	42 269 T	Mitnehmer Catch arrastrador	20	Getriebe Gear mecanismo	1	1	1
331	42 302	Rastscheibe Notched disc disco de retención		Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	1 n.B.
332	42 303	Lagerscheibe Bearing disc disco de apoyo	15	Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	1
333	42 304	Lagerscheibe Bearing disc disco de apoyo		Objektivträger vormont. Lens holder, pre-assembled portaobjetivo premont.	-	1	-
334	42 306 Tm	Einstellscheibe mont. Setting disc, assembled disco de ajuste mont.	19	Belichtungsgehäuse Exposure meter housing caja exposímetro	-	1	-
335	42 307	Anschlagscheibe in Kegelrad Stop disc in bevel gear disco tope en rueda cónica		Belichtungsgehäuse Exposure meter housing caja exposímetro	-	1	-
336	42 309	Lagerscheibe Bearing disc disco de apoyo		Belichtungsgehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	1	-
337	42 312 T	Verriegelungsscheibe Locking disc disco de enclavamiento	7	Gehäuserückwand Back of camera body pared trasera de caja	2	2	2
338	42 313	Rastscheibe Notched disc disco de retención	15	Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	1
339	44 018	Zahnsegment Toothed segment sector dentado	15	Lichtwertring Exposure value ring anillo valores-luz	-	-	1
340	44 019	Zahnsegment Toothed segment sector dentado		Lichtwertring Exposure value ring anillo valores-luz	-	-	1
341	44 020	Zahnsegment Toothed segment sector dentado	15	Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	1
342	44 021	Zahnsegment Toothed segment sector dentado		Zeitring Shutter speed ring anillo de velocidades	-	-	1
343	44 022	Zahnsegment Toothed segment sector dentado	15	Blendenring Diaphragm ring anillo de diafragmas	-	-	1

Lfd.Nr. No. nos.cont	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. illustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
343 a	44 023	Zahnsegment Toothed segment sector dentado	15	Lichtwertring Exposure value ring anillo de valores-luz	-	-	1
344	45 334	Zahnrad (30 Z.) Cogwheel (30 teeth) rueda dentada (30 dientes)	13	Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	1	1
345	45 335	Stirnrad (38 Z.) Spur wheel (38 teeth) rueda dentada recta (38 dientes)	13	Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	1	1
346	45 346	Ritzel (8 Z.) in Ankerrad Pinion (8 teeth) in armature wheel piñón (8 dientes) en rueda motriz	13	Getriebe Gear mecanismo	1	1	1
347	45 347	Ritzel (18 Z.) in Zahnrad Pinion (18 teeth) in cogwheel piñón (18 dientes) en rueda dentada		Camera Camera cámara	1	1	1
348	45 354	Zahnrad Cogwheel rueda dentada		Objektivträger vormont. Lens holder, pre-assembled portaobjetivo premont.	-	1	-
349	45 355	Zahnrad (39 Z.) Cogwheel (39 teeth) rueda dentada (39 dientes)		Objektivträger vormont. Lens holder, pre-assembled portaobjetivo premont.	-	1	-
350	45 356	Stirnrad (14 und 23 Z.) Spur wheel (14 and 23 teeth) rueda dentada recta (14 y 23 dientes)	16	Camera kompl. Camera, complete cámara cpl.	-	1	-
351	45 357	Kegelrad (35 Z.) Bevel gear (35 teeth) rueda cónica (35 dientes)		Belichäuse Exposure meter housing caja exposímetro	-	1	-
352	45 358 Tm	Kegelrad mont. Bevel gear, assembled rueda cónica mont.	19	Belichäuse Exposure meter housing caja exposímetro	-	1	-
353	45 359	Stirnrad in Platine Spur wheel in bedplate rueda recta en platina		Belichäuse Exposure meter housing caja exposímetro	-	1	-
354	45 360 Tm	Kegelrad mont. (60 Z.) Bevel gear (60 teeth), assembled rueda cónica mont. (60 dientes)		Belichäuse Exposure meter housing caja exposímetro	-	1	-
355	45 361	Stirnrad Spur wheel rueda dentada recta	19	Belichäuse vollst. Exposure meter housing,compl. caja exposímetro cpl.	-	1	-
356	45 362	Stirnrad in Platine Spur wheel in bedplate rueda recta en platina		Belichäuse Exposure meter housing caja exposímetro	-	1	-

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
357	45 363	Zahnsegment in Platine Toothed segment in bedplate sector dentado en platina		Belichäuse Exposure meter housing caja exposímetro	-	1	-
358	45 365	Stirnrad Spur wheel rueda dentada recta	12, 13	Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	-	1	1
359	45 421 Tm	Triebachse mont. Driving spindle, assembled eje de impulsión mont.	17	Camera Camera cámara	1	-	-
360	45 422	Zahnsegment Toothed segment sector dentado		Objektivträger vormont. Lens holder, pre-assembled portaobjetivo premont.	-	1	-
361	45 423	Stirnrad (15 und 17 Z.) Spur wheel (15 and 17 teeth) rueda recta (15 y 17 dientes)	13, 16	Camera kompl. Camera, complete cámara cpl.	-	1	-
362	45 430	Zahnrad (103 Z.) in Spannplatte Cogwheel (103 teeth) in clamping plate rueda dentada (103 dientes) en placa tensora		Objektivträger Lens holder portaobjetivo	-	1	-
363	45 431 Tm	Zahnsegment mit Exzenter Toothed segment with eccentric sector dentado con excéntrica	15	Objektivträger Lens holder portaobjektivo	-	1	-
364	45 432 Tm	Zahnrad mont. Cogwheel, assembled rueda dentada mont.	16	Objektivträger Lens holder portaobjetivo	-	1	-
365	45 433	Triebachse Driving spindle eje de impulsión	10	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
366	45 463 Tm	Stirnrad mont. (42 Z.) Spur wheel, assembled (42 teeth) rueda recta mont. (42 dientes)	20	Getriebe Gear mecanismo	1	1	1
367	45 466 Tm	Ankerrad mont. (20 Z.) Armature wheel, assembled (20 teeth) rueda motriz mont. (20 dientes)	20	Getriebe Gear mecanismo	1	1	1
368	45 467	Sperrad (30 Z.) Ratchet wheel (30 teeth) rueda de trinquete (30 dientes)	20	Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1
369	45 568	Kegelrad (42 Z.) Bevel gear (42 teeth) rueda cónica (42 dientes)	20	Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1
370	45 469	Kegel- und Stirnrad (26 Z.) Bevel gear and spur wheel (26 teeth) rueda cónica y recta (26 dientes)	20	Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
411 a	52 414 a M	Getriebegehäuse mont. Housing f. mecanism mounted caja mecanismo mont.		Camera kompl. Camera compl. cámara cpl.	1	-	-
412	52 426 T	Getriebegehäuse Gear housing caja mecanismo	11, 20	Getriebegehäuse mont. Housing f. mechanism mounted caja mecanismo mont	-	-	1
412 a	52 426 M	Getriebegehäuse mont. Housing f. mechanism mounted caja mecanismo mont.		Camera kompl. Camera, complete cámara cpl.	-	-	1
413	52 427	Beligehäuse Exposure meter housing caja exposímetro		Beligehäuse vollst. Exposure meter housing,compl. caja exposímetro cpl.	-	1	-
414	52 427 M	Beligehäuse vollst. Exposure meter housing, complete caja exposímetro cpl.	13	Camera Camera cámara	-	1	-
415	52 428	Beligehäuse Exposure meter housing caja exposímetro	12	Beligehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	-	1
415 a	52 428 M	Beligehäuse vollst. Exposure meter housing, complete caja exposímetro cpl.	(13)	Camera kompl. Camera, complete cámara cpl.	-	-	1
416	52 430	Prismengehäuse Prism casing caja de prismas	14	Sucher Viewfinder Visor	-	1	-
417	52 431 T	Getriebegehäuse vormont. Gear housing, pre-assembled caja mecanismo premont.	20	Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	-	1	-
418	52 431 M	Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	20	Camera Camera cámara	-	1	-
419	54 075	Drahtbügel wire yoke arco de alambre	14	Sucherprisma vollst. Viewfinder prism, complete prisma visor cpl.	1	1	1
420	55 111	Nachführzeiger Follow-up pointer indicador para la graduación		Beligehäuse vollst. Exposure meter housing,compl. caja exposímetro cpl.	-	-	1
421	56 048	Griff in Verriegelungsscheibe Handle in locking disc asa en disco de enclavamiento		Rückwand Back pared trasera	2	2	2
422	56 076	Griff Handle asa		Lichtwertring Exposure value ring anillo valores-luz	-	-	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
401	46 053	Lagerbrücke Bearing block puente de apoyo		Belichtungsmesser-Gehäuse Exposure meter housing caja exposímetro	-	1	-
402	47 389 T	Objektivträger vormont. Lens holder, pre-assembled portaobjetivo premont.	16	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
403	47 389 M	Objektivträger mont. Lens holder, assembled portaobjetivo mont.		Kamera Camera cámara	-	1	-
404	47 390 T	Objektivträger Lens holder portaobjetivo		Objektivträger vollst. Lens carrier compl. portaobjetivo cpl.	-	-	1
404 a	47 390 M	Objektivträger vollst. Lens carrier compl. portaobjetivo cpl.	(15)	Kamera Camera cámara	-	-	1
405	47 391 T	Objektivträger Lens holder portaobjetivo		Objektivträger vollst. Lens carrier compl. portaobjetivo cpl.	1	-	-
405 a	47 391 M	Objektivträger vollst. Lens carrier compl. portaobjetivo cpl.	(17)	Kamera Camera cámara	1	-	-
406	47 392	Lagerflansch Bearing flange brida de soporte	19	Belichtungsmesser-Gehäuse Exposure meter housing caja exposímetro	-	1	-
407	49 098	Scharnierstück in Gabelhebel kurz Hinged piece in forked lever, short pieza de charnela en palanca ahorquillada corta		Gehäuse Housing caja	1	1	1
407 a	50 298 T	Einblickfassung Eyepiece mount montura de la mirilla	14, 20	Getriebegehäuse Housing f. mechanism caja mecanismo	1	1	1
408	52 050	Prismengehäuse Prism casing caja de prismas	14	Sucher Viewfinder visor	1	-	1
409	52 412 T/1	Rückwand vormont. Back, pre-assembled pared trasera premont.		Rückwand kompl. Back, complete pared trasera cpl.	1	1	1
410	52 412 M/1	Rückwand kompl. Back, complete pared trasera cpl.	4, 7	Kamera Camera cámara	1	1	1
411	52 414 a T	Getriebegehäuse Gear housing caja mecanismo	20		1	-	-

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
371	45 470 Tm	Zahnrad mont. (30 Z.) Cogwheel, assembled (30 teeth) rueda dentada mont. (30 dientes)	13	Camera Camera cámara	1	1	1
372	45 471	Stirnrad(16 und 17 Z.) Spur wheel (16 and 17 teeth) rueda dentada recta (16 y 17 dientes)	17	Camera kompl. Camera, complete cámara cpl.	1	-	-
373	45 482	Zahnkranz (106 Z.) Tootned rim (106 teeth) corona dentada (106 dientes)	17	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	1	-	-
374	45 684 a	Zahnrad (21 Z.) in Lagerplatte Cogwheel (21 teeth) in bearing plate rueda dentada (21 dientes) en placa de apoyo		Objektivträger Lens holder portaobjetivo	1	-	-
375	45 703	Zahnrad (20 Z.) in Achse Cogwheel (20 teeth) in spindle rueda dentada (20 dientes) en eje		Camera Camera cámara	1	1	1
376	45 710	Stirnrad Spur wheel rueda dentada recta		Objektivträger Lens holder portaobjetivo	-	-	1
377	45 711	Stirnrad (16 Z.) Spur wheel (16 teeth) rueda dentada recta (16 dientes)	15	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	-	1
378	45 712	Stirnrad (12 und 17 Z.) Spur wheel (12 and 17 teeth) rueda dentada recta (12 y 17 dientes)	15	Camera kompl. Camera, complete cámara cpl.	-	-	1
379	45 734	Stirnrad in Gehäuse Spur wheel in casing rueda dentada recta en caja		Belichäuse Exposure meter housing caja exposímetro	-	1	-
380	45 741	Planetenrad Planet wheel rueda planetaria		Planetenradring Planet wheel ring mecanismo planetario	-	-	2
381	45 743	Zahnrad (51 Z.) Cogwheel (51 teeth) rueda dentada (51 dientes)	9	Camera kompl. Camera, complete cámara cpl.	-	1	1
382	45 744	Zahnrad (18 Z.) Cogwheel (18 teeth) rueda dentada (18 dientes)	9	Camera kompl. Camera, complete cámara cpl.	-	1	1
383	45 745	Trieb (14 Z.) Drive (14 teeth) piñón (14 dientes)	12, 13	Camera kompl. Camera, complete cámara cpl.	-	1	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
423	56 077	Griff Handle asa		Lichtwertring Exposure value ring anillo valores-luz	-	-	1
424	56 078	Kupplungsgriff Coupling grip asa de acoplamiento		Objektivträger Lens holder portaobjetivo	-	-	1
425	56 079	Kurbelgriff in Hebel Crank handle in lever Manivela en palance	1,2,3	Camera Camera cámara	1	1	1
426	60 189	Schlitzmutter Slotted nut tuerca ranurada		Gehäuse vollst. Housing, complete caja cpl.	1	1	1
427	60 198	Mutter Nut tuerca	1,2,3,8	Camera kompl. Camera, complete cámara cpl.	1	1	1
428	60 215	Mutter in Lagerflansch Nut in bearing flange tuerca en brida de soporte	19	Belichtungsmessergehäuse Exposure meter housing caja exposímetro	-	1	-
429	60 216	Mutter Nut tuerca	8	Camera kompl. Camera, complete cámara cpl.	1	1	1
430	60 219	Mutter Nut tuerca	20	Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	1	1
431	60 220	Überwurfmutter Cap screw tuerca racor		Gehäuserückwand Back of camera body pared trasera de caja	2	2	2
432	62 163	Stativmutter Tripod bush tuerca para trípode	4,5	Gehäuse Camera body caja	1	1	1
433	65 353	Scharnierachse in Lagerblech vollst. Spindle of hinge in bearing plate, complete eje de charnela en chapa soporte cpl.	18	Gehäuse Camera body caja	1	1	1
434	65 440	Achse in Sperrhebel Spindle in locking lever eje en trinquete		Getriebe Gear mecanismo	1	1	1
435	65 441	Achse in Platine oben Spindle in bedplate, above eje en platina arriba		Getriebe Gear mecanismo	1	1	1
436	65 442	Nockenachse Cam spindle eje de levas	20	Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1

Lfd.Nr. No. nos.cont	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	 1271	 pieza 1291
437	65 446	Achse Spindle eje		Objektivträger Lens holder portaobjetivo	1	-	-
438	65 449 Tm	Achse mit Stirnrad Spindle with spur wheel eje con rueda dentada recta	5, 13	Camera Camera cámara	1	1	1
439	65 454	Achse Spindle eje		Objektivträger vormont. Lens holder, pre-assembled portaobjetivo premont.	-	1	1
440	65 478 Tm	Achse mont. Spindle, assembled eje mont.		Nachführzeiger Follow-up pointer indicador de graduación	-	-	1
441	65 479	Achse Spindle eje		Kurvenhebel Curve lever palanca de leva	-	-	1
442	65 481	Achsbolzen Spindle bolt perno de eje		Objektivträger vormont. Lens holder, pre-assembled portaobjetivo premont.	-	1	-
443	65 482	Bolzen Bolt perno		Objektivträger vormont. Lens holder, pre-assembled portaobjetivo premont.	-	1	-
444	65 483	Achse Spindle eje		Objektivträger vormont. Lens holder, pre-assembled portaobjetivo premont.	-	1	-
446	65 485	Bolzen in Platine Bolt in bedplate perno en platina		Belichäuse Exposure meter housing caja exposímetro	-	1	-
447	65 490	Achse Spindle eje		Camera Camera cámara	1	-	-
448	65 491	Achse Spindle eje	6	Camera kompl. Camera, complete cámara cpl.	1	1	1
449	65 492	Lagerachse Bearing spindle eje de soporte	7	Rückwand kompl. Back, complete Pared trasera cpl.	1	1	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
461	66 278	Bolzen Bolt perno		Getriebegehäuse Gear housing caja mecanismo	1	1	1
462	66 279 Tm	Abdrückbolzen mont. Release trigger bolt, assembled perno disparador mont.	20	Getriebe Gear mecanismo	1	1	1
463	66 281 T	Filmschlüsselbolzen Film key bolt perno de llave de película	20	Getriebe Gear mecanismo	1	1	1
464	66 287	Anschlagbolzen Stopping bolt perno tope	20	Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1
465	66 288 Tm	Bolzen mont. Bolt, assembled perno mont.	6	Camera Camera cámara	1	1	1
466	66 295	Achsbolzen Spindle bolt perno eje		Getriebegehäuse Gear housing caja mecanismo	-	1	1
467	66 381 a	Lagerbolzen Bearing bolt perno soporte		Getriebegehäuse mont. Gear housing, assembled caja mecanismo cpl.	1	-	-
468	66 479	Gewindebolzen Threaded bolt perno roscado	17	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	1	1	-
469	66 548	Lagerbolzen Bearing bolt perno soporte	13	Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	-	2	1
470	70 035	Planetenradring mont. Planet wheel ring, assembled mecanismo planetario	15	Objektivträger Lens holder portaobjetivo	-	-	1
471	72 418	Scheibe Disc disco		Camera kompl. Camera, complete cámara cpl.	-	-	1
472	72 579 Tm	Einstellring mont. Setting ring, assembled anillo de graduación	1, 17	Objektivträger Lens holder portaobjetivo	1	-	-
473	72 580	Zwischenring Intermediate ring anillo intermedio		Camera kompl. Camera, complete cámara cpl.	1	-	-
474	72 608	Kupplungsscheibe Thrust clutch disco de acoplamiento	13	Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1

Lfd.Nr. No. nos.cont	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece pieza 1261	1271	1291
475	72 615	Ring für Spannhebel Ring for tensioning lever anillo para palanca tensora		Camera Camera cámara	1	1	1
476	72 655	Blendenring Diaphragm ring anillo de diafragmas	3, 15	Objektivträger Lens holder portaobjektivo	-	-	1
477	72 658	Filmempfindlichkeitsring Film speed ring anillo de sensibilidad de película	3, 15	Objektivträger Lens holder portaobjetivo	-	-	1
478	72 661 T	Lichtwertring Exposure value ring anillo de valores-luz	3, 15	Camera kompl. Camera, complete cámara cpl.	-	-	1 n.B.
479	72 667	Dichtungsring Sealing ring anillo de empaquetadura	15	Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	1
480	72 671	Einstellring in Gewindering vormont. Setting ring in threaded ring, pre-assembled anillo de graduación en anillo roscado premont.		Objektivträger Lens holder portaobjetivo	-	1	-
481	72 672	Lagerring für Spannplatte Bearing ring for clamping plate anillo soporte para placa tensora		Objektivträger Lens holder portaobjetivo	-	1	-
482	72 673	Einstellrad in Lagerflansch Setting wheel in bearing, flange rueda de ajuste en brida soporte	13, 19	Belichäuse Exposure meter housing caja exposímetro	-	1	-
483	72 674	Ring (DIN) Ring (DIN) anillo (DIN)	1,2,3,8	Camera kompl. Camera, complete cámara cpl.	1 n.B.	1 n.B.	1 n.B.
484	72 675	Ring (ASA) Ring (ASA) anillo (ASA)	1,2,3,8	Camera kompl. Camera, complete cámara cpl.	1 n.B.	1 n.B.	1 n.B.
485	72 676 Tm	Rückspulknopf mit Feder Rewind knob with spring botón de rebobinado con resorte	1,2,8	Camera Camera cámara	1	1	1
486	72 683 T	Lichtwertring Exposure value ring anillo valores-luz		Camera kompl. Camera, complete cámara cpl.	-	-	1 n.B.
487	73 099	Steckschuh in Deckkappe Accessory shoe with cover sap zapata en tapa	1,2,3	Camera Camera cámara	1	1	1
488	74 192	Gewindering außen Threaded ring, external anillo roscado exterior		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	1	-	-

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
489	74 193	Gewindering innen Threaded ring, internal anillo roscado interior	17	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	1	-	-
490	74 197	Gewindering Threaded ring anillo roscado	17	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	1	-	-
491	74 235	Gewindering außen Threaded ring, external anillo roscado	10	Objektivträger Lens holder portaobjetivo	-	1	-
492	74 236	Gewindering Threaded ring anillo roscado	10	Objektivträger Lens holder portaobjetivo	-	1	-
493	74 237	Gewindering innen Threaded ring, internal anillo roscado interior	10	Objektivträger Lens holder portaobjetivo	-	1	-
494	75 510	Skalenblech (meter) Scale plate (meter) chapa de escalas (metro)	1	Camera kompl. Camera, complete cámara cpl.	1	-	-
495	75 512	Skalenblech (feet) Scale plate (feet) chapa de escalas (feet)	1	Camera kompl. Camera, complete cámara cpl.	1	-	-
496	75 583	Skalenblech (DIN) Scale plate (DIN) chapa de escalas (DIN)	2	Camera kompl. Camera, complete cámara cpl.	-	1	-
497	75 585 Im	Zeitring mont. Shutter speed ring, assembled anillo de velocidades mont.	3, 15	Objektivträger Lens holder portaobjetivo	-	-	1 n.B.
498	75 592	Tiefenschärfenring Depth-of-field ring anillo de profundidades de foco	3, 15	Objektivträger vollst. Lens holder, complete portaobjetivo cpl.	-	-	1
499	75 593	Skalenblech (ASA) Scale plate (ASA) chapa de escala (ASA)	2	Camera kompl. Camera, complete cámara cpl.	-	1	-
500	75 594	Empfindlichkeitsskala DIN Film speed scale (DIN) escala de sensibilidades (DIN)	2, 19	Camera kompl. Camera, complete cámara cpl.	-	1	-
501	75 595	Empfindlichkeitsskala ASA Film speed scale (ASA) escala de sensibilidades (ASA)	2, 19	Camera kompl. Camera complete cámara cpl.	-	1	-
502	75 596	Indexplatte Index plate placa índice		Belichäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	1	-

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
503	75 600 T	Skala Scale escala	1,2,3,8	Camera Camera cámara	1	1	1
504	75 629	Zählscheibe Counter disc disco contador	1,2,3,8	Camera kompl. Camera, complete cámara cpl.	1	1	1
505	75 631 Tm	Zeitring mont. Shutter speed ring, assembled anillo de velocidades mont.		Objektivträger Lens holder portaobjetivo	-	-	1 n.B.
521	78 077	Bajonettflansch Bayonet flange brida de bayoneta		Objektivträger Lens holder portaobjetivo	-	-	1
522	79 141 Tm	Gehäuse mit Stirnrad Housing with spur wheel caja con rueda dentada recta		Belichäuse Exposure meter housing caja exposímetro	-	1	-
523	79 141 M	Gehäuse mit Instrument Housing with instrument caja con instrumento		Belichäuse Exposure meter housing caja exposímetro	-	1	-
524	83 081	Fassung Mount montura		Belichäuse vollst. Exposure meter housing,compl. caja exposímetro cpl.	-	-	1
525	85 578 Tm/1	Gabelhebel, kurz mit Scharnierstück mont. Forked lever, short, with hinge, assembled palanca ahorquillada, corta con pieza de charnela mont.	18	Gehäuse Housing caja	1	1	1
526	85 587	Anker Armature perno de fijación		Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1
527	85 596	Tasthebel für Spiegelklappe Feeling or scanning lever for mirror flap palanca para tapa espejo	20	Getriebegehäuse mont. Gear housing, complete caja mecanismo mont.	1	1	1
528	85 597 a	Tasthebel für Lichtklappe Scanning lever for capping plate palanca para tapa de luz	20	Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	1	1
529	85 600	Gabelhebel, lang in Lichtklappe Forked lever, long, in capping plate palanca ahorquillada, larga en tapa de luz		Gehäuse Gear housing, assembled caja	1	1	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
530	85 603 a Tm	Sperrhebel mont. Locking lever, assembled palanca de trinquete mont.	20	Getriebe Gear mecanismo	1	1	1
531	85 604 T	Steuerhebel (Spiegelklappe) Control lever (mirror flap) palanca de mando (tapa espejo)	20	Getriebe Gear mecanismo	1	1	1
532	85 605	Steuerhebel (Lichtklappe) Control lever (capping plate) palanca de mando (tapa de luz)		Getriebe Gear mecanismo	1	1	1
533	85 606	Sperrhebel Locking lever palanca de trinquete	13	Getriebe vollst. Gear, complete mecanismo cpl.	1	1	1
534	85 608 T	Spannhebel Tensioning lever palanca tensora	1,2,3,8	Camera Camera cámara	1	1	1
535	85 637	Hebel Lever palanca		Achse mont. Spindle, assembled eje mont.	-	-	1
536	85 638 Tm	Einstellhebel mont. Setting lever, assembled palanca de ajuste mont.	12	Camera Camera cámara	-	-	1
537	85 640 Tm	Kurvenhebel mont. Curve lever (cam lever), assembled palanca de leva mont.	12	Camera Camera cámara	-	-	1
538	85 641	Schwinghebel Swinging lever palanca oscilante		Objektivträger vormont. Lens holder, pre-assembled portaobjetivo premont.	-	1	-
539	85 644 T	Hebel Lever palanca	8	Camera Camera cámara	1	1	1
540	87 088	Spannplatte Clamping plate placa tensora	17	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	1	-	-
541	87 097 Tm	Spannplatte mont. Clamping plate, assembled placa tensora mont.	10	Objektivträger Lens holder portaobjetivo	-	1	-
542	91 062	Exzenter Eccentric excéntrica		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	2	-	-
543	91 084 Tm	Kurve mont. Curve (cam), assembled leva mont.	15	Objektivträger Lens holder portaobjetivo	-	-	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	 1271	 pieza 1291
544	91 086 a Tm	Kurvenscheibe mont. Cam plate, assembled disco leva mont.	7	Rückwand Back pared trasera	1	1	1
545	93 126	Henkelöse Lug-eyelet asa	1,2,3	Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	2	2	2
546	95 315	Rahmen Frame marco		Sucherprisma vollst. Viewfinder prism, complete prisma visor cpl.	1	1	1
547	95 338	Maske Mask mascarilla		Sucherprisma vollst. Viewfinder prism, complete prisma visor cpl.	2 n.B.	2 n.B.	2 n.B.
548	95 381	Maske Mask mascarilla		Belichtungsmessergehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	1	-
549	95 373	Rahmen Frame marco		Camera Camera cámara	-	1	-
549 a	95 373 T	Rahmen mont. Frame mounted marco mont.	9	Deckkappe Cover tapa	-	1	-
550	95 383	Maske Mask mascarilla	20	Getriebegehäuse mont. Gear housing, assembled caja mecanismo cpl.	1	1	1
551	98 097	Spiegel in Spiegelklappe Mirror in mirror flap espejo en tapa espejo		Gehäuse Camera body caja	1	-	-
552	98 125	Spiegel in Spiegelklappe Mirror in mirror flap espejo en tapa espejo	18	Gehäuse Housing caja	-	1	1
561	101 330	Einblicklinse Eyepiece lens lente ocular		Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	1	1
562	101 331	Feldlinse Field lens lente de campo		Sucherprisma vollst. Viewfinder prism, complete prisma visor cpl.	-	-	1
563	101 426	Feldlinse Field lens lente de campo		Sucherprisma vollst. Viewfinder prism, complete prisma visor cpl.	1	1	-

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
564	101 469	Spiegel Mirror espejo		Belichäuse vollst. Exposure meter housing,compl. caja exposímetro cpl.	-	1	-
565	102.070 Vm	Dachprisma vormont. Penta-prism, pre-assembled prisma tipo techo premont.	14	Sucherprisma vollst. Viewfinder prism, complete prisma visor cpl.	1	-	1
565 a	102.070 M/3	Sucherprisma vollst. Viewfinder prism complete prisma visor cpl.	14	Camera kompl. Camera, complete cámara cpl.	1	-	-
565 b	102 070 M/4	Sucherprisma vollst. Viewfinder prism complete prisma visor cpl.	14	Camera kompl. Camera, complete cámara cpl.	-	-	1
566	102 124	Platte Plate placa		Sucher Viewfinder visor	-	1	-
567	102 125 T	Dachprisma Penta-prism prisma tipo techo	9, 14	Sucher Viewfinder visor	-	1	-
567 a	102 125 M	Sucherprisma vollst. Viewfinder prism complete prisma visor cpl.	14	Camera kompl. Camera, complete cámara cpl.	-	1	-
568	103 419	Einlagestreifen Lining strip tira suplemento		Sucherprisma vollst. Finder prism, complete prisma visor cpl.	1 n.B.	1 n.B.	1 n.B.
569	103 423	Einlagestreifen Lining strip tira suplemento		Sucherprisma vollst. Finder prism, complete prisma visor cpl.	1 n.B.	1 n.B.	1 n.B.
570	103 480	Stufenlinse Fresnel lens lente escalonada		Sucherprisma vollst. Finder prism, complete prisma visor cpl.	1	1	1
571	103 512 b	Schutzkappe Prism protecting cap tapa protectora		Dachprisma Penta-prism prisma tipo techo	1	-	1
572	103 536	Schaltring Control ring anillo de mando	1,2,3,8	Camera kompl. Camera, complete cámara cpl.	1	1	1
573	103 537	Füllstück Filler pieza de relleno		Camera kompl. Camera, complete cámara cpl.	1	1	1
574	103 559	Isolierstück Insulating piece pieza aisladora		Objektivträger Lens holder portaobjetivo	-	-	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
575	103 593	Abdeckscheibe Cover plate disco tapa		Beligehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	-	1
576	103 594	Isolierhülse in Gehäuse mit K-Instr. Insulation sheath in casing with movement manguito aislador en caja con galvanometro		Beligehäuse Exposure meter housing caja exposímetro	-	1	-
577	103 595	Isolierflansch in Gehäuse mit K-Instr. Insulation flange in casing with movement brida de aislamiento en caja con galvanometro		Beligehäuse Exposure meter housing caja exposímetro	-	1	-
578	103 605	Wabenscheibe Honeycomb disc disco de panal		Beligehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	-	1
579	103 606	Gitterblende Latticed sheet retícula		Beligehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	-	1
580	103 607	Scheibe Disc disco		Beligehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	-	2
581	103 608	Zelluloidscheibe Celluloid disc disco de celuloide		Beligehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	-	1
582	103 612	Schutzkappe in Dachprisma mit Schutzkappe Protecting cap in penta-prism with protecting cap tapa protectora en prisma techo con tape protectora		Sucher Viewfinder Visor	-	1	-
583	103 613	Isolierstück Insulating piece pieza aisladora	16	Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
584	103 614 Tm	Isolierstück mit Kontaktbolzen kompl. Insulating piece with contact bolt, complete pieza aisladora con perno de contacto cpl.	10	Objektivträger Lens holder portaobjetivo	-	1	-
585	103 616	Scheibe Disc disco		Beligehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	1	-
586	103 617	Scheibe Disc disco		Beligehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	1	-

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	1271	pieza 1291
587	103 618	Scheibe Disc disco		Belichtungsmesser-Gehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	1	-
588	103 620	Wabenscheibe in Rahmen Honeycomb disc in a frame disco de panal en marco	2	Kamera Camera cámara	-	1	-
589	103 621	Wabenblende in Rahmen Honeycomb disc in a frame disco de panal en marco		Kamera Camera cámara	-	1	-
590	103 622	Scheibe in Deckkappe Disc in cover cap disco en tapa	9	Kamera Camera cámara	-	1	-
591	103 623	Abdichtung in Deckkappe Sealing in cover cap empaquetadura en tapa	9	Kamera Camera cámara	-	1	-
592	103 624	Scheibe in Rahmen Disc in a frame disco en marco		Kamera Camera cámara	-	n.B.	-
593	103 630	Fassungsring Mounting ring anillo montura		Kamera kompl. Camera, complete cámara cpl.	1	1	1
594	103 631	Blende Diaphragm diafragma		Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	-	-
595	103 635	Einblickfassung Mount of eyepiece montura del ocular		Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	1	1
596	108 259	Dichtungseinlage Sealing insert suplemento empaquetadura		Kamera kompl. Camera, complete cámara cpl.	2	2	2
597	108 267	Scheibe an Stativmutter Disc on tripod nut disco en tuerca para trípode		Kamera kompl. Camera, complete cámara cpl.	1	1	1
598	109 187	Bezug kompl. Covering, complete revestimiento cpl.			1	1	1
599	109 187/1	Bezug Covering revestimiento		Rückwand Back pared trasera	1	1	1
600	109 187/2	Bezug für Gehäuse (Aufzugseite) Covering für body (tensioning side) revestimiento para caja (lado del dispositivo tensor)	1,2,3	Kamera Camera cámara	1	1	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece 1261	 1271	 pieca 1291
601	109 187/3	Bezug für Gehäuse (Rückspulseite) Covering for body (rewind side) revestimiento para caja (lado del dispositivo de rebobinado)	1,2,3	Camera Camera cámara	1	1	1
602	109 189	Abdeckscheibe in Hebel mont. Cover plate in lever, assembled disco de cubierta en palanca mont.		Camera Camera cámara	1	1	1
603	110 356	Filz Felt fieltro		Camera kompl. Camera, complete cámara cpl.	1	-	-
621	112 370	Puffer in Lichtklappe Buffer in capping plate tope en tapa de luz		Gehäuse Camera body caja	1	1	1
622	112 406	Einlage Insertion suplemento		Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	1	1
623	112 412	Abdichtung Sealing pieza de obturación		Deckkappe Cover cap tapa	-	-	1
624	112 420	Isolierschlauch Insulating tubing tubo aislador		Belichtungsmesser-Gehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	-	1
625	112 421	Isolierplatte Insulating plate placa aisladora		Belichtungsmesser-Gehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	1	-
626	112 422	Kontaktplatte Contact plate plaza de contacto		Belichtungsmesser-Gehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	1	-
627	112 423	Kontaktstück Contact piece pieza de contacto		Belichtungsmesser-Gehäuse Exposure meter housing caja exposímetro	-	1	-
628	112 424	Isolierplättchen in Deckkappe Small insulating plate in cover cap plaquita aisladora en tapa		Camera Camera cámara	-	2	-
629	112 425	Isolierplatte in Rahmen Insulating plate in a frame placa aisladora en marco		Camera Camera cámara	-	1	-
630	112 432	Isolierplatte Insulating plate placa aisladora		Belichtungsmesser-Gehäuse vollst. Exposure meter housing, compl. caja exposímetro cpl.	-	-	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. Ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece pieza 1261	1271	1291
631	112 433 Tm	Kontaktplatte vollst. Contact plate, complete placa de contacto cpl.		Belichäuse Exposure meter housing caja exposímetro	-	-	1
632	112 438	Deckplatte Cover plate placa de cubierta		Sucherprisma vollst. Viewfinder prism, complete prisma visor cpl.	-	1	-
633	113 603 a	Unterlegscheibe Washer arandela		Mitnehmer mont. Catch, assembled arrastrador mont.	1	1	1
634				Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	1	1
635	113 604 a	Scheibe in Mitnehmer mont. Disc in catch, assembled disco en arrastrador mont.		Getriebegehäuse Gear housing caja mecanismo	1	1	1
636	113 802	Dichtungsstreifen Sealing strip tira de empaquetadura		Getriebegehäuse mont. Gear housing, assembled caja mecanismo mont.	1	1	1
637	113 841	Dichtungseinlage Sealing insert suplemento de empaquetadura		in Rückwand mit Boden at the base of back en pared trasera con fondo	1	1	1
638	113 844	Papierunterlage Paper support papel de fondo		Camera kompl. Camera, complete cámara cpl.	1	1	1
639	113 844/1	Papierunterlage Paper support papel de fondo		Camera kompl. Camera, complete cámara cpl.	1	1	1
640	116 642	Schaltdraht Connecting wire alambre de contacto		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	-	1
641	116 670	Schaltdraht Connecting wire alambre de contacto		Objektivträger mont. Lens holder, assembled portaobjetivo mont.	-	1	-
642	116 671	Schaltdraht Connecting wire alambre de contacto		Belichäuse vollst. Exposure meter housing,compl. caja exposímetro cpl.	-	2	-
643	120 062	Dichtungsfaden Packing cord hilo de empaquetadura		Camera kompl. Camera, complete cámara cpl.	1	1	1
644	120 064	Dichtungsfaden Packing cord hilo de empaquetadura		Camera kompl. Camera, complete cámara cpl.	-	1	1

Lfd.Nr. No. nos.cont.	Teilnummer Number número	Bezeichnung Name designación	Bild Ill. ilustr.	Baugruppe Assembly grupo de montaje	Stück Piece pieza 1261	1271	1291
645	132 173	Widerstand Resistor resistencia	12	Beligehäuse vollst. Exposure meter housing,compl. caja exposímetro cpl.	-	1	1
646	132 182 Tm/2	Fotoelement Photo element fotoelemento		Beligehäuse Exposure meter housing caja exposímetro	-	-	1
647	132 207 T	Fotoelement Photo element fotoelemento		Camera Camera cámara	-	1	-
648		Spez.Synchro-Compur-Verschluß MXV/CR00 CS-1110-545 c Special Synchro-Compur-shutter MXV/CR00 CS-1110-545 c obturador especial Synchro-Compur MXV/SR00 CS-1110-545 c			1	-	-
649	10.1271-03.001	Verschluß Synchro-Compur 00-MXV CS-1110-549 a Synchro-Compur-Shutter 00-MXV CS-1110-549 a obturador Synchro-Compur 00-MXV CS-1110-549 a	16		-	1	-
650	10.1291-08	Verschluß Prontor-Reflex SLK 482 Prontor-Reflex SLK 482 shutter obturador Prontor-Reflex SLK 482	15		-	-	1
651	Fs 14 M	Filmspule Film spool carrete de película			1	1	1
652	20.0002	Füllstück Filler pieza de relleno			1	1	1
653	1354/21 M	K-Instrument Movement galvanometro		Beligehäuse vollst. Exposure meter housing,compl. caja exposímetro cpl.	-	1	-
654	1354/20 M	K-Instrument Movement galvanometro		Beligehäuse vollst. Exposure meter housing,compl. caja exposímetro cpl.	-	-	1

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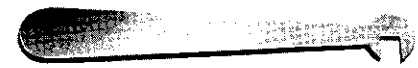


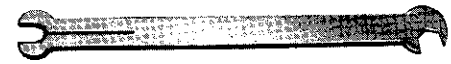
Schlüssel für Getriebeanschlag
Key for gear stop
Llave para tope de engranaje

Wird gebraucht bei der Getriebejustierung
To be used for adjusting the gear
hace falta para el ajuste del engranaje

Nettogewicht: 0,005 kg
Net weight:
peso neto

Sonst noch benötigt für:
Also used for:
se necesita además para

52 414a M/84



Sechskantschlüssel für Tasthebel
Spanner for touching lever
Llave exagonal para la palanca

Für Mutter 60 219 am Getriebegehäuse
For nut 60 219 on the gear housing
para tuerca 60 219 de la caja de engranaje

Nettogewicht: 0,005 kg
Net weight:
peso neto:

Sonst noch benötigt für:
Also used for:
se necesita además para:

867/24 M/80

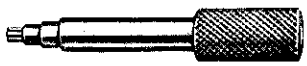
Schlüssel für Gewindeteller 33 404
Key for screw plate
Llave para plato roscado 33 404

Nur für Contaflex rapid Kat.Nr.10.1261
For Contaflex rapid Kat.Nr.10.1261 only
solamente para Contaflex rapid Kat.Nr.10.1261

Nettogewicht: 0,040 kg
Net weight:
peso neto:

Sonst noch benötigt für:
Also used for:
se necesita además para:

871/24 M/80



Schlüssel zum Einstellen des Verschlußüberzuges
Key to set the shutter over wind
Llave para ajustar el obturador sobrecargado

Wird unbedingt benötigt
Will be required
es absolutamente necesario

Nettogewicht: 0,020 kg
Net weight:
peso neto:

Sonst noch benötigt für:
Also used for:
se necesita además para:

871/24 M/81

Spezialschraubenzieher für Verschlußzeit "B" justieren
Special screw driver for adjusting "B"
Destornillador especial para ajustar "B"

Wird unbedingt benötigt
Will be required
es absolutamente necesario

Nettogewicht: 0,040 kg
Net weight:
peso neto:

Sonst noch benötigt für:
Also used for:
se necesita además para:

872/24 M/80

Schlüssel für Schlitzmutter 60 216
Key for notched nut 60 216
Llave para tuerca entallada 60 216

Demontage des Rückspulknopfes
Dismantling of the rewinding knob
desmontaje del botón rebobinador

Nettogewicht: 0,050 kg
Net weight:
peso neto:

Sonst noch benötigt für:
Also used for:
se necesita además para: